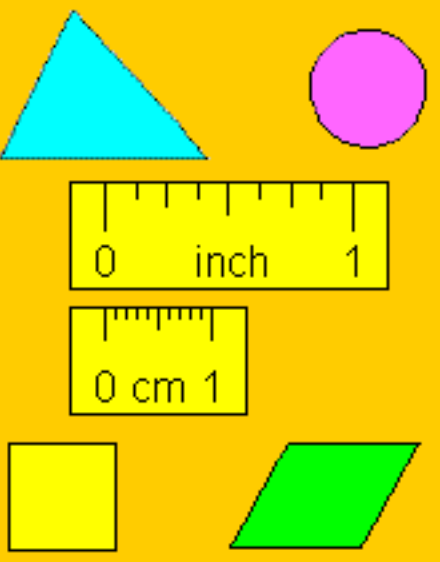
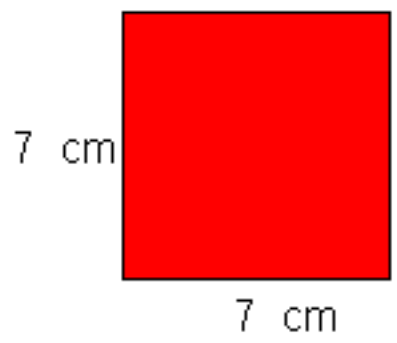
Math Galaxy
Length & Area
Riddles eBook

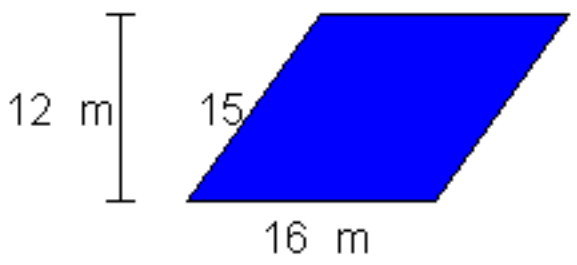


What is a myth?



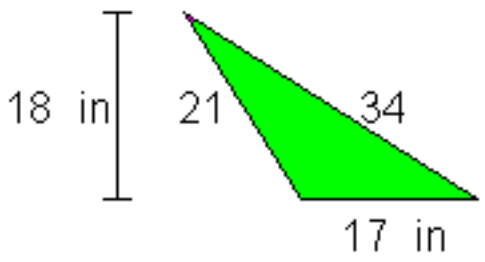
(1) Area: _____

(2) Perimeter: _____



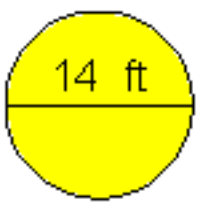
(3) Area: _____

(4) Perimeter: _____



(5) Area: _____

(6) Perimeter: _____



(7) Area: _____

(8) Circumference: _____

F 28

O 72

M 62

T 153.86

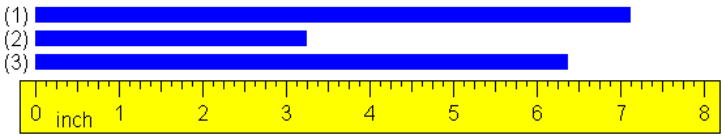
A 49

H 43.96

L 153

E 192

Contents

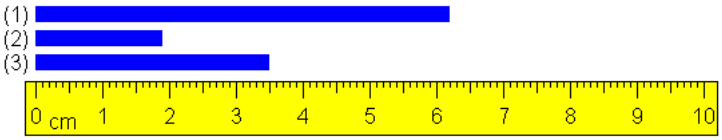


(1) What is the length of bar 1: 7 1/8 in
(2) What is the length of bar 2: 3 1/4 in
(3) What is the length of bar 3: 6 3/8 in

57 in = _____ ft $57\ \text{in}\left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 4\ \text{ft}\ 9\ \text{in}$

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

16 ft 11 in	33 ft 14 in	2 yd 2 ft	13 ft 10 in
+ 6 ft 10 in	~~34~~ ft ~~2~~ in	x 5	4) 55 ft 4 in
22 ft ~~21~~ in	– 19 ft 6 in	10 yd ~~10~~ ft	52
1 ft 9 in	14 ft 8 in	3 yd 1 ft	3 ft = 36 in
23 ft 9 in		13 yd 1 ft	40
			40
			0

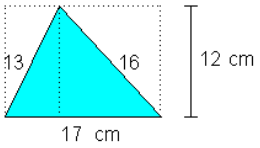


(1) What is the length of bar 1: 62 mm
(2) What is the length of bar 2: 1.9 cm
(3) What is the length of bar 3: 3 cm 5 mm

610 cm = _____ m $610\ \text{cm}\left(\frac{1\ \text{m}}{100\ \text{cm}}\right) = 6\ \text{m}\ 10\ \text{cm}$

5 m 24 cm	17 m 160 cm	3 m 55 cm	20 m 92 cm
+ 11 m 82 cm	~~18~~ m ~~60~~ cm	x 6	4) 83 m 68 cm
16 m ~~106~~ cm	– 8 m 97 cm	18 m ~~330~~ cm	80
1 m 6 cm	9 m 63 cm	3 m 30 cm	3 m = 300 cm
17 m 6 cm		21 m 30 cm	368
			368
			0

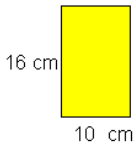
Areas **125**



Area: 102 cm^2

Perimeter: 46 cm

$A = \frac{1}{2}bh$

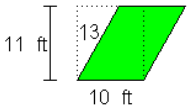


Area: 160 cm^2

Perimeter: 52 cm

$A = LW$

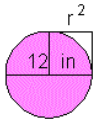
$P = 2L + 2W$



Area: 110 ft^2

Perimeter: 46 ft

$A = bh$



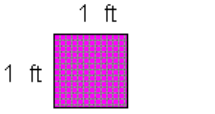
Area: 113.04 in^2

Circumference: 37.68 in

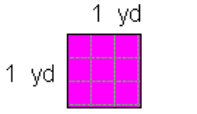
$A = \pi r^2$

$C = 2\pi r$

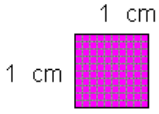
Converting Areas **145**



1 ft^2 = 144 in^2



1 yd^2 = 9 ft^2



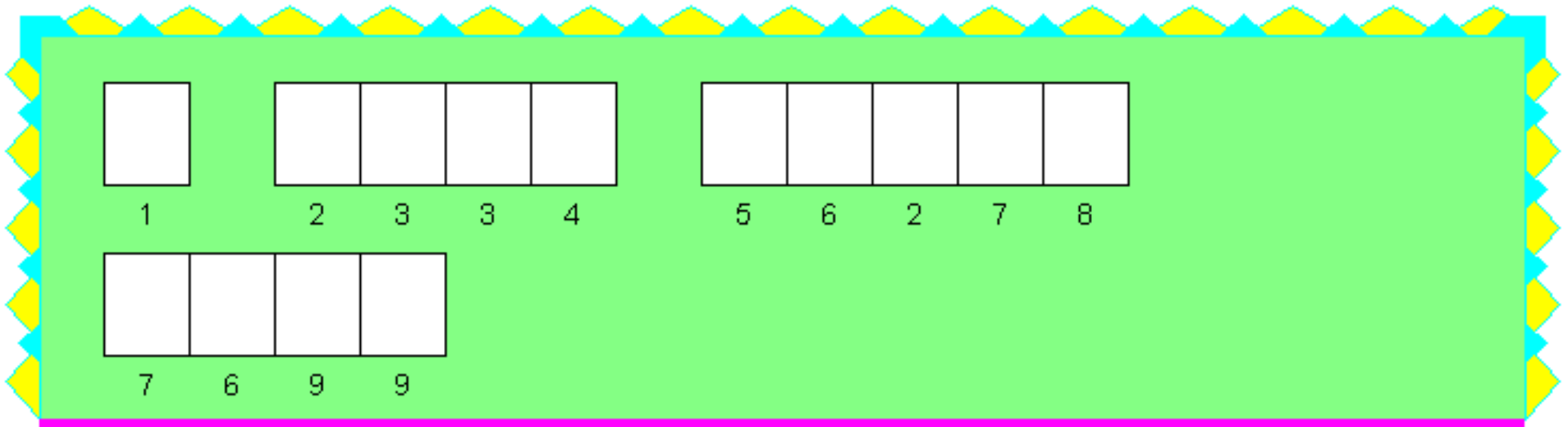
1 cm^2 = 100 mm^2

54 ft^2 = _____ yd^2

$54\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 6\ yd^2$

9.25 cm^2 = _____ mm^2

$9.25\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 925\ mm^2$

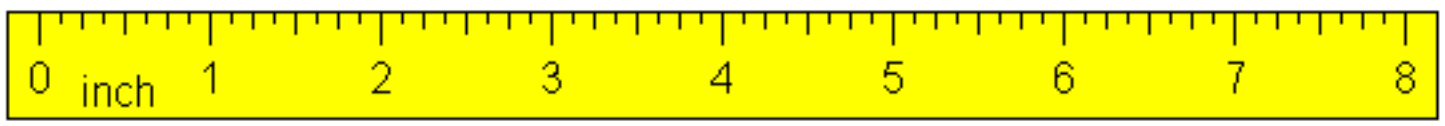


What do you give a snake before putting it to bed?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

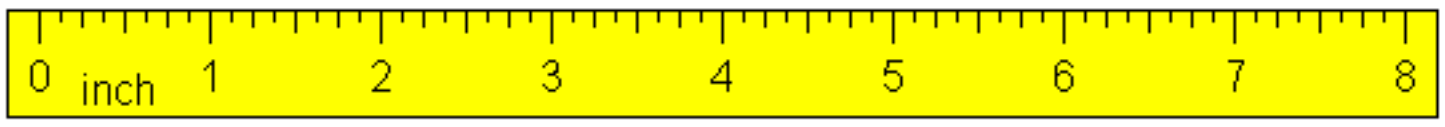


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)
(8)
(9)

(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____

(D) 2 1/2 in

(O) 1/4 in

(S) 6 7/8 in

(G) 3 5/8 in

(N) 4 1/2 in

(T) 7 1/4 in

(H) 2 in

(A) 1/8 in

(I) 1 1/2 in

A	G	O	O	D	N	I	G	H	T
1	2	3	3	4	5	6	2	7	8

H	I	S	S
7	6	9	9

What do you give a snake before putting it to bed?

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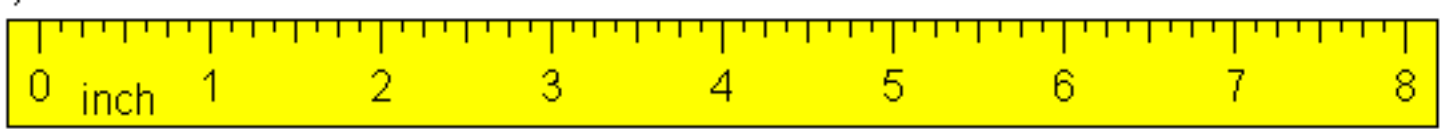
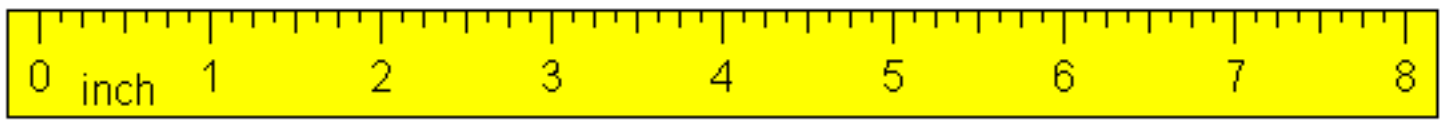
(3)



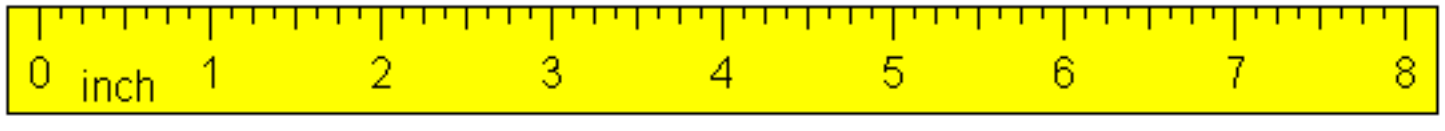
(1) What is the length of bar 1: 1/8 in
(2) What is the length of bar 2: 3 5/8 in
(3) What is the length of bar 3: 1/4 in

(4)
(5)
(6)



(4) What is the length of bar 4: 2 1/2 in
(5) What is the length of bar 5: 4 1/2 in
(6) What is the length of bar 6: 1 1/2 in

(7)
(8)
(9)



(7) What is the length of bar 7: 2 in
(8) What is the length of bar 8: 7 1/4 in
(9) What is the length of bar 9: 6 7/8 in

D 2 1/2 in
O 1/4 in
S 6 7/8 in
G 3 5/8 in
N 4 1/2 in
T 7 1/4 in
H 2 in
A 1/8 in
I 1 1/2 in

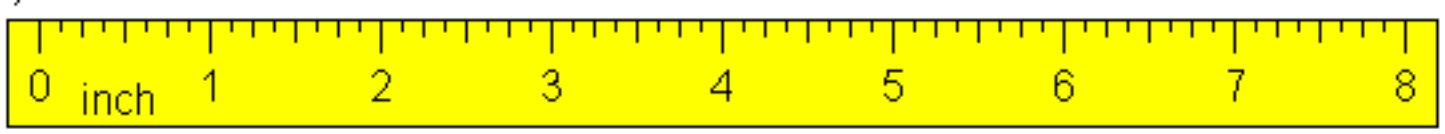
1	2	3	3	2	4	3	5	6	7	8

What bedtime stories do bunnied read?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

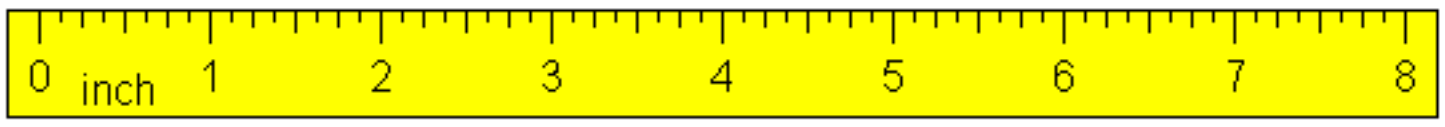


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)
(8)

(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(T) 3 1/2 in

(O) 4 in

(A) 6 1/4 in

(N) 5/8 in

(C) 3 5/8 in

(S) 3 3/4 in

(E) 5 3/8 in

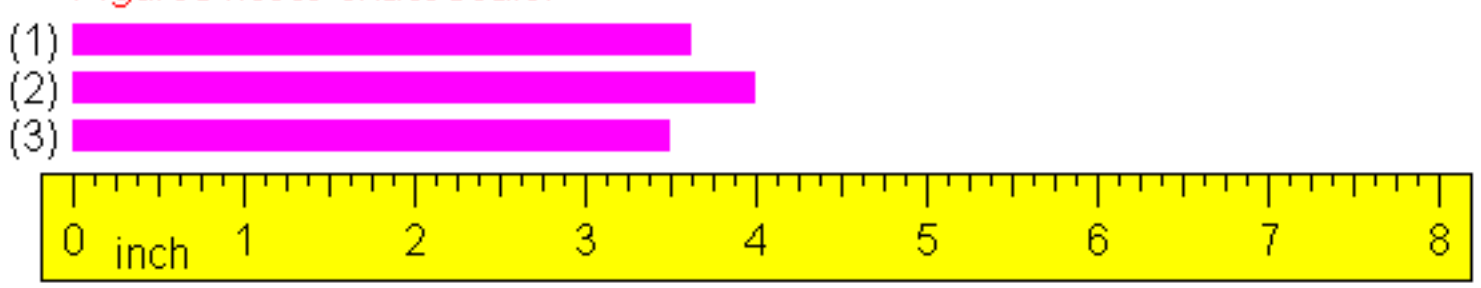
(L) 6 7/8 in

C	O	T	T	O	N	T	A	L	E	S
1	2	3	3	2	4	3	5	6	7	8

What bedtime stories do bunnied read?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

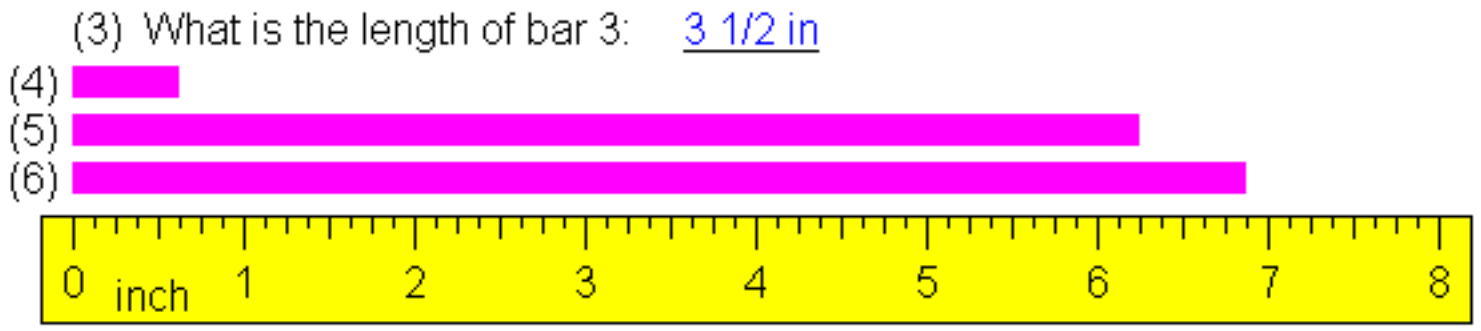
Figures not to exact scale:



(1) What is the length of bar 1: 3 5/8 in

(2) What is the length of bar 2: 4 in

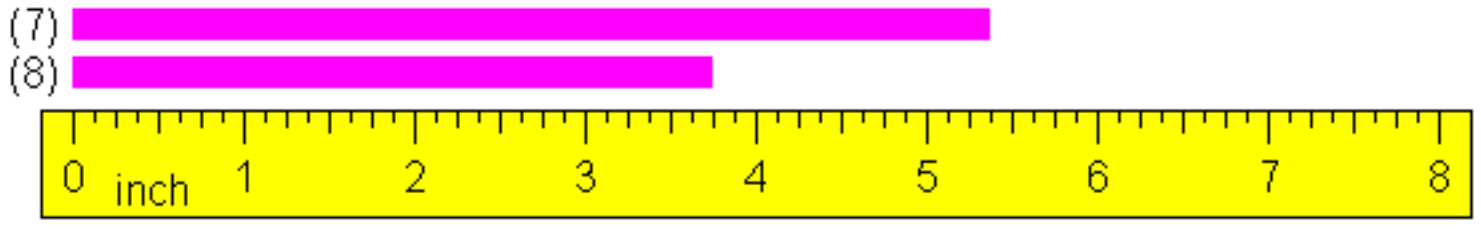
(3) What is the length of bar 3: 3 1/2 in



(4) What is the length of bar 4: 5/8 in

(5) What is the length of bar 5: 6 1/4 in

(6) What is the length of bar 6: 6 7/8 in



(7) What is the length of bar 7: 5 3/8 in

(8) What is the length of bar 8: 3 3/4 in

(T) 3 1/2 in

(O) 4 in

(A) 6 1/4 in

(N) 5/8 in

(C) 3 5/8 in

(S) 3 3/4 in

(E) 5 3/8 in

(L) 6 7/8 in

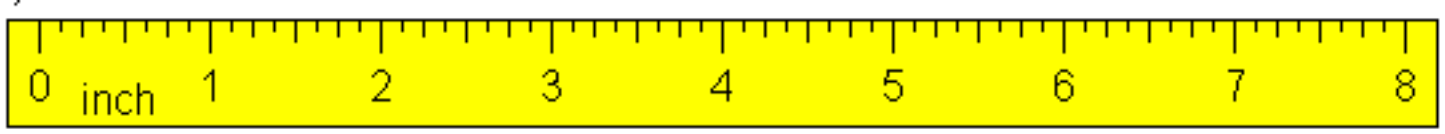
1	2	3	4	5	6	7	3	8	9

Why can't you tell pigs secrets?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

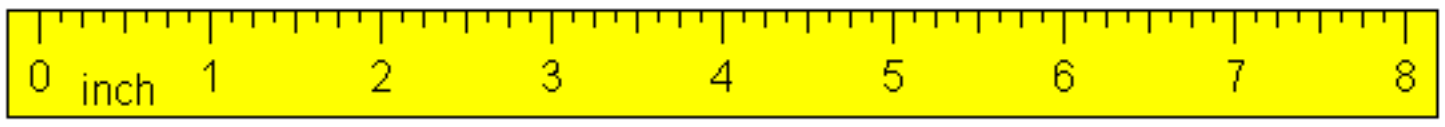
Figures not to exact scale:

(1)
(2)
(3)



(1) What is the length of bar 1: _____
(2) What is the length of bar 2: _____
(3) What is the length of bar 3: _____

(4)
(5)
(6)



(4) What is the length of bar 4: _____
(5) What is the length of bar 5: _____
(6) What is the length of bar 6: _____

(7)
(8)
(9)

(7) What is the length of bar 7: _____
(8) What is the length of bar 8: _____
(9) What is the length of bar 9: _____

Y	1/4 in
E	6 3/8 in
S	3 3/4 in
U	1 3/4 in
L	5 1/8 in
A	4 3/8 in
T	3 1/8 in
Q	1/2 in
H	3 5/8 in

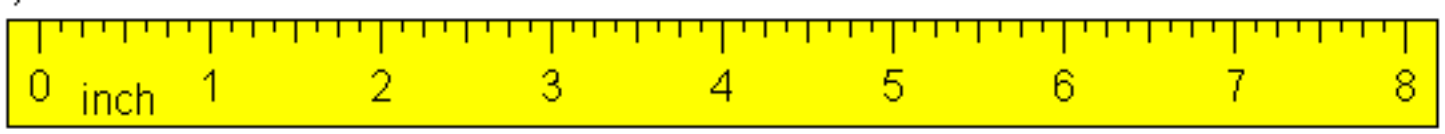
T	H	E	Y		S	Q	U	E	A	L
1	2	3	4		5	6	7	3	8	9

Why can't you tell pigs secrets?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

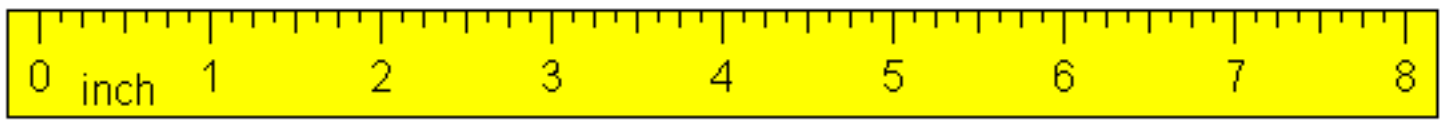
Figures not to exact scale:

(1)
(2)
(3)



(1) What is the length of bar 1: 3 1/8 in
(2) What is the length of bar 2: 3 5/8 in
(3) What is the length of bar 3: 6 3/8 in

(4)
(5)
(6)

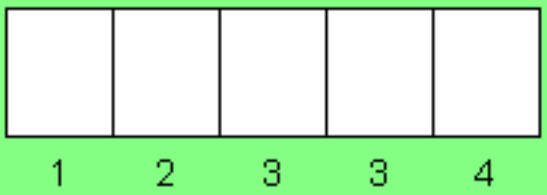


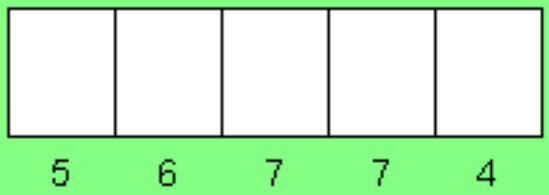
(4) What is the length of bar 4: 1/4 in
(5) What is the length of bar 5: 3 3/4 in
(6) What is the length of bar 6: 1/2 in

(7)
(8)
(9)

(7) What is the length of bar 7: 1 3/4 in
(8) What is the length of bar 8: 4 3/8 in
(9) What is the length of bar 9: 5 1/8 in

Y 1/4 in
E 6 3/8 in
S 3 3/4 in
U 1 3/4 in
L 5 1/8 in
A 4 3/8 in
T 3 1/8 in
Q 1/2 in
H 3 5/8 in

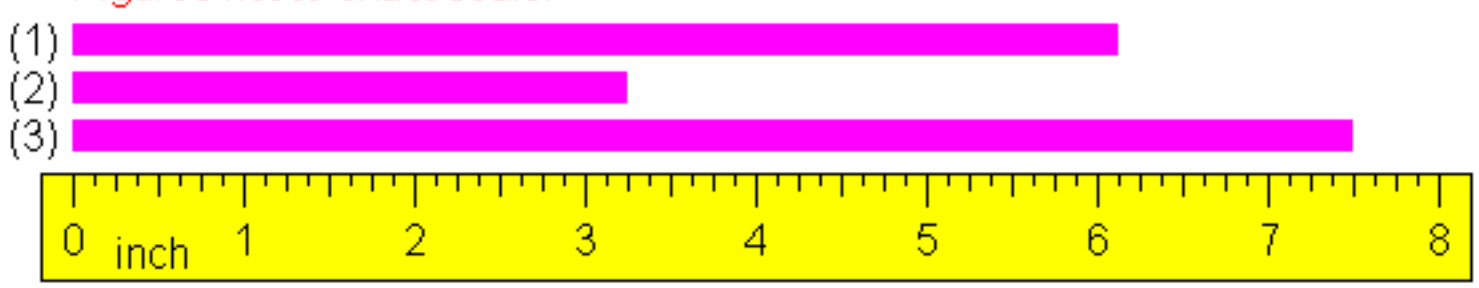




Who wrote the book, "I was a Teenage Werewolf"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

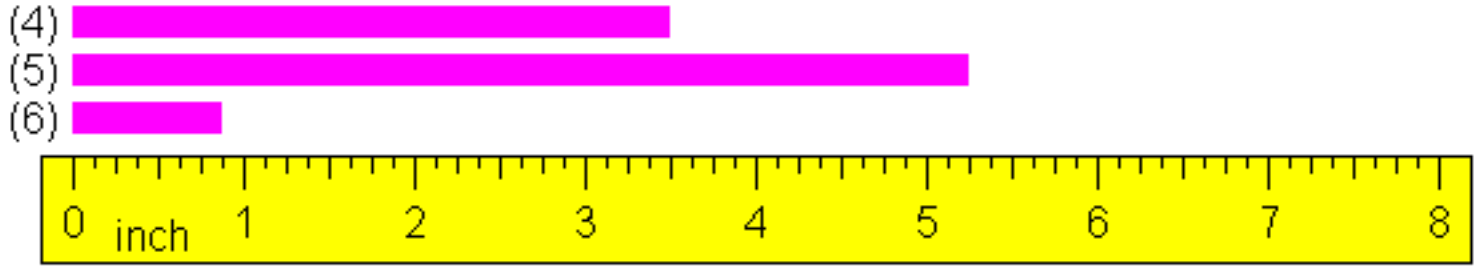
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

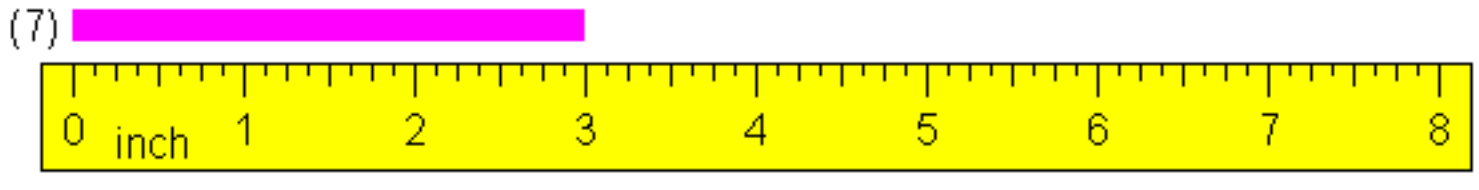
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(O) 7/8 in

(R) 7 1/2 in

(H) 6 1/8 in

(Y) 3 1/2 in

(A) 3 1/4 in

(B) 5 1/4 in

(D) 3 in

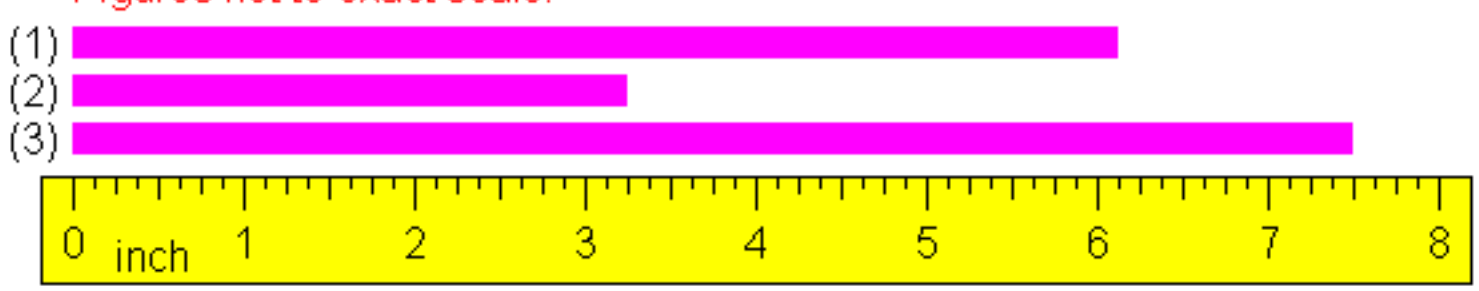
H	A	R	R	Y
1	2	3	3	4

B	O	D	D	Y
5	6	7	7	4

Who wrote the book, "I was a Teenage Werewolf"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

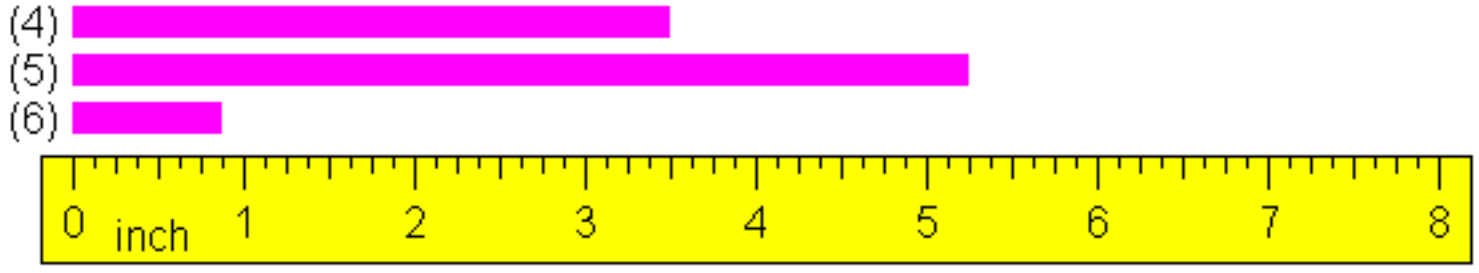
Figures not to exact scale:



(1) What is the length of bar 1: 6 1/8 in

(2) What is the length of bar 2: 3 1/4 in

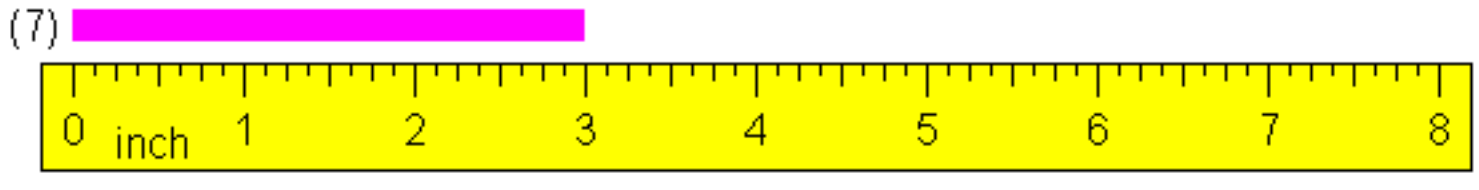
(3) What is the length of bar 3: 7 1/2 in



(4) What is the length of bar 4: 3 1/2 in

(5) What is the length of bar 5: 5 1/4 in

(6) What is the length of bar 6: 7/8 in



(7) What is the length of bar 7: 3 in

(O) 7/8 in

(R) 7 1/2 in

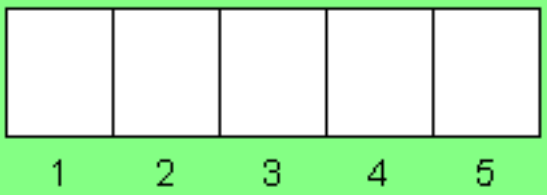
(H) 6 1/8 in

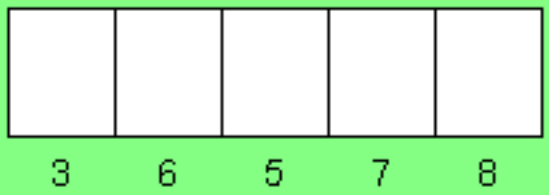
(Y) 3 1/2 in

(A) 3 1/4 in

(B) 5 1/4 in

(D) 3 in

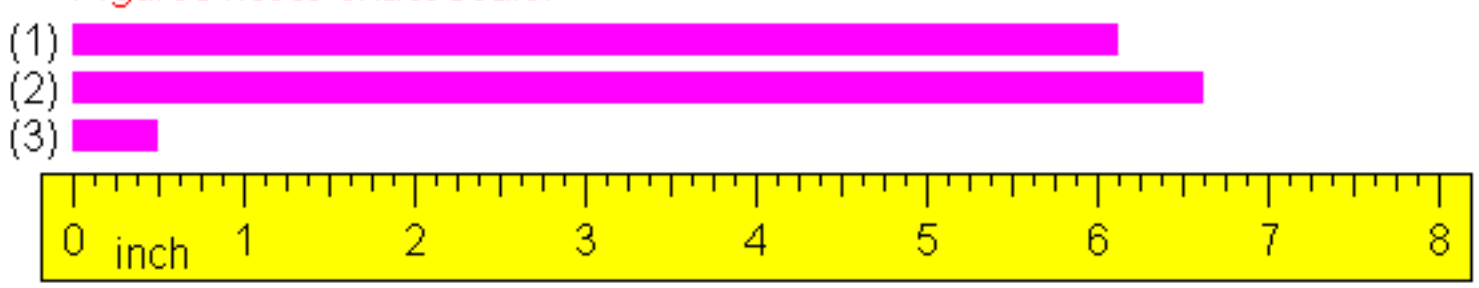




Who wrote the book, "My Life of Crime"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

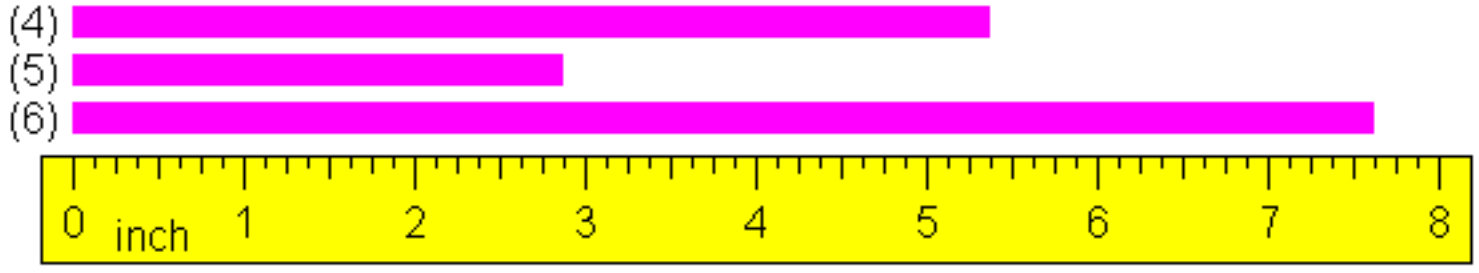
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

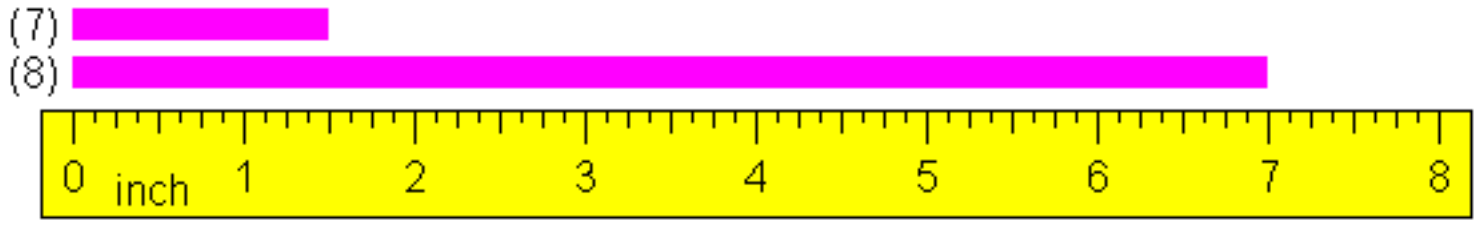
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

Ⓐ 7 5/8 in

Ⓢ 7 in

Ⓝ 2 7/8 in

Ⓘ 5 3/8 in

Ⓚ 1 1/2 in

Ⓑ 1/2 in

Ⓞ 6 5/8 in

Ⓡ 6 1/8 in

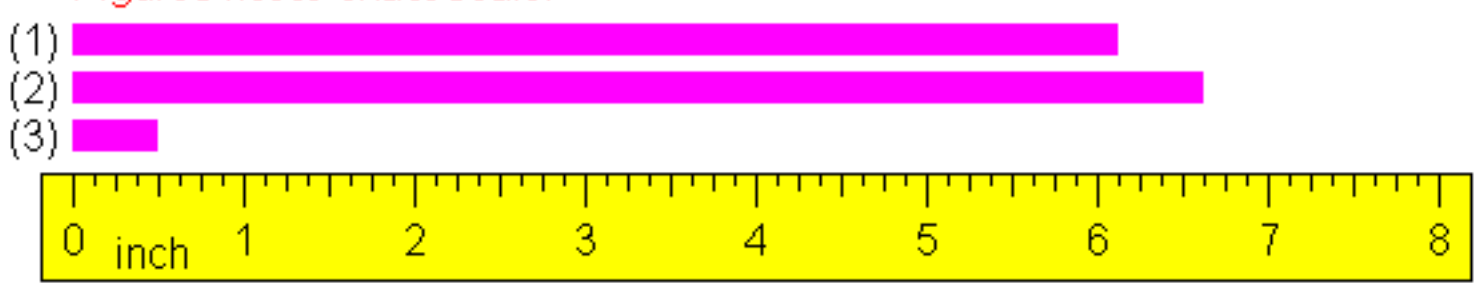
R	O	B	I	N
1	2	3	4	5

B	A	N	K	S
3	6	5	7	8

Who wrote the book, "My Life of Crime"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

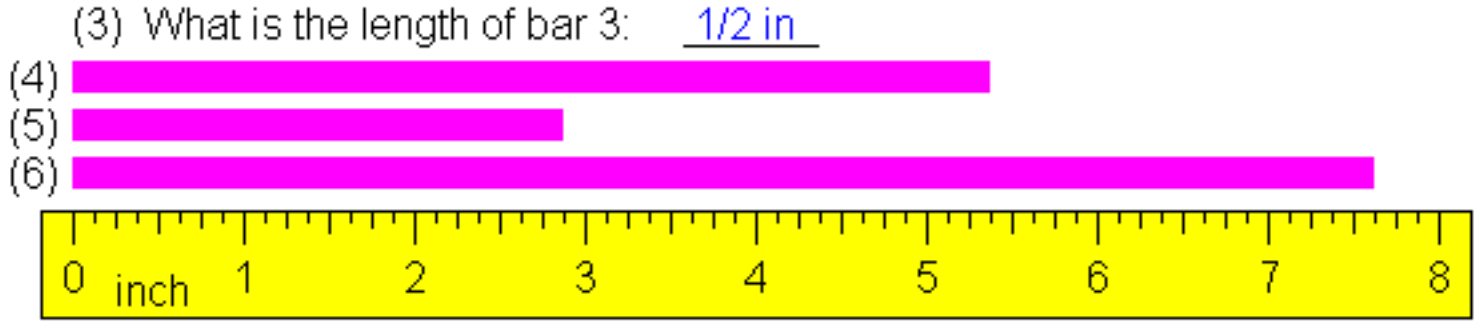
Figures not to exact scale:



(1) What is the length of bar 1: 6 1/8 in

(2) What is the length of bar 2: 6 5/8 in

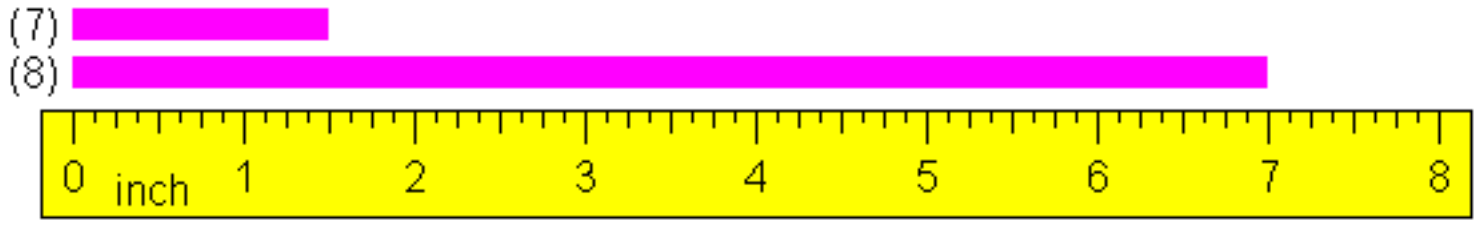
(3) What is the length of bar 3: 1/2 in



(4) What is the length of bar 4: 5 3/8 in

(5) What is the length of bar 5: 2 7/8 in

(6) What is the length of bar 6: 7 5/8 in



(7) What is the length of bar 7: 1 1/2 in

(8) What is the length of bar 8: 7 in

Ⓐ 7 5/8 in

Ⓢ 7 in

Ⓝ 2 7/8 in

Ⓘ 5 3/8 in

Ⓚ 1 1/2 in

Ⓑ 1/2 in

Ⓞ 6 5/8 in

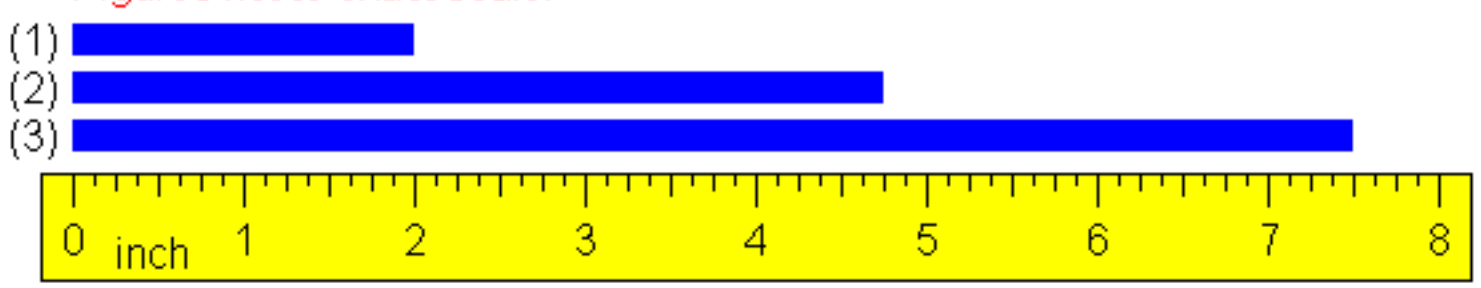
Ⓡ 6 1/8 in

1	2	3	3	4		5	2	6	6	7	8	2	

Who wrote the book, "Growing Organic Vegetables"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

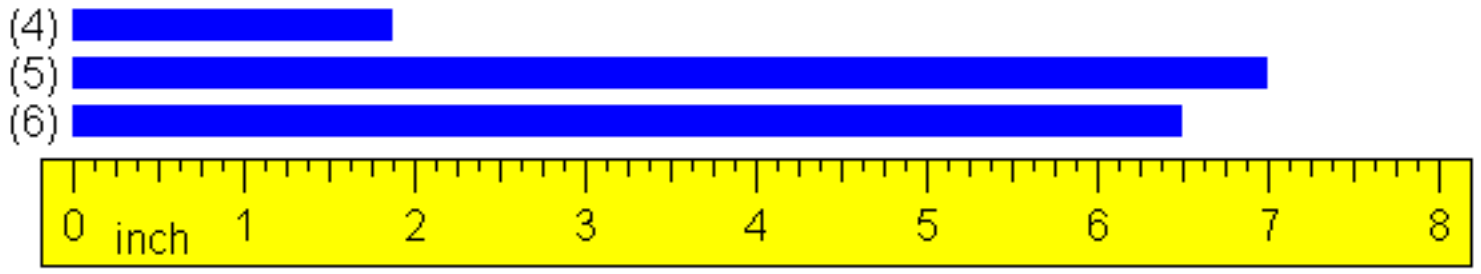
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

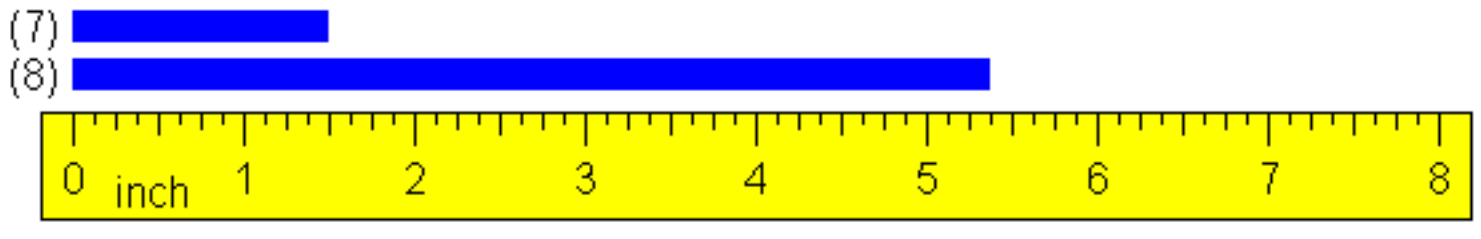
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

A	1 7/8 in
T	6 1/2 in
H	2 in
L	7 in
C	5 3/8 in
E	4 3/4 in
U	1 1/2 in
D	7 1/2 in

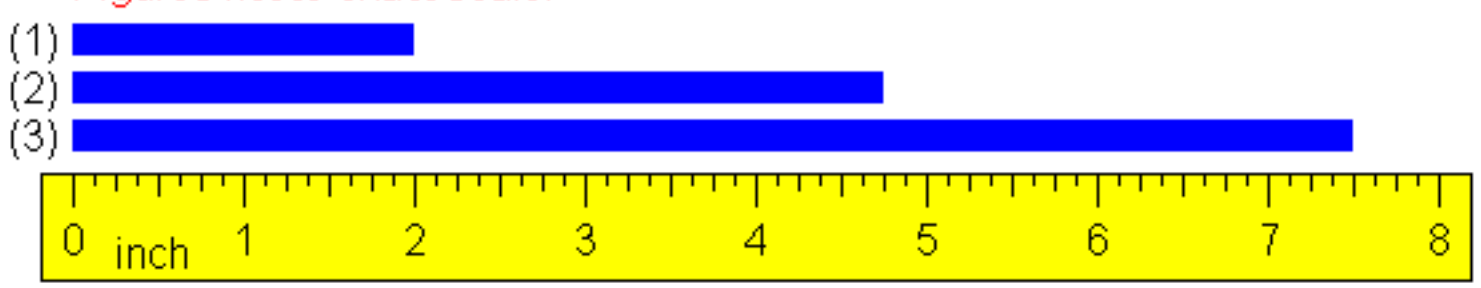
H	E	D	D	A
1	2	3	3	4

L	E	T	T	U	C	E
5	2	6	6	7	8	2

Who wrote the book, "Growing Organic Vegetables"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

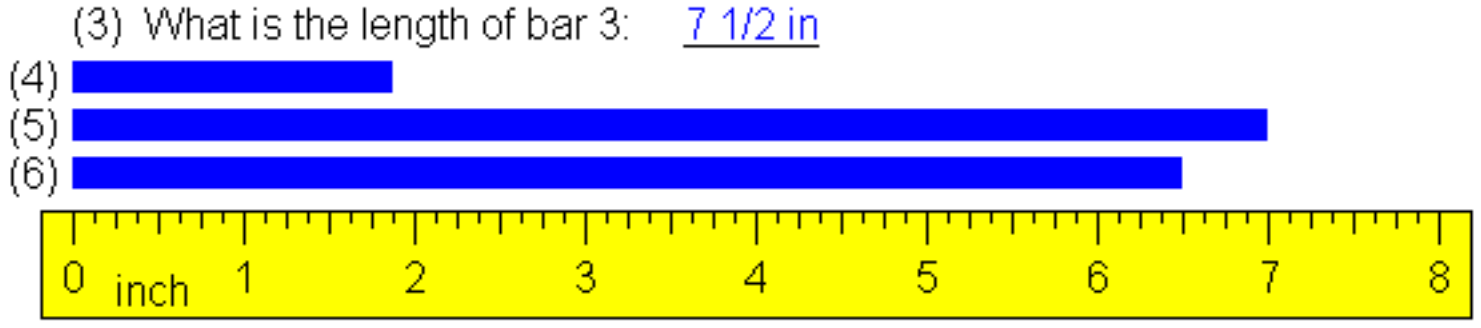
Figures not to exact scale:



(1) What is the length of bar 1: 2 in

(2) What is the length of bar 2: 4 3/4 in

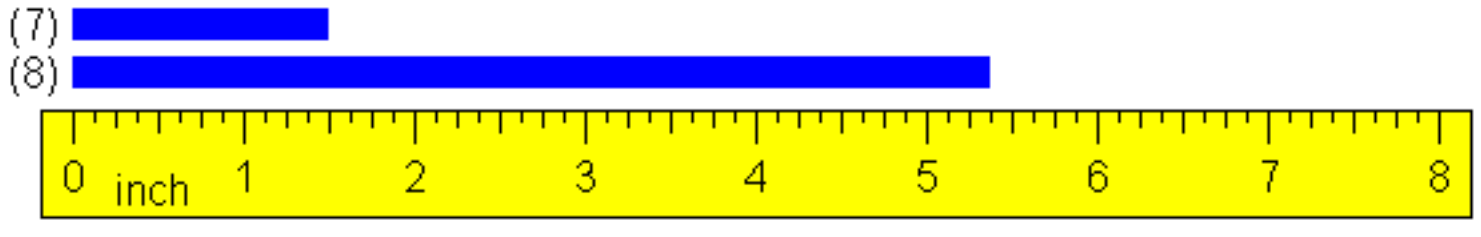
(3) What is the length of bar 3: 7 1/2 in



(4) What is the length of bar 4: 1 7/8 in

(5) What is the length of bar 5: 7 in

(6) What is the length of bar 6: 6 1/2 in



(7) What is the length of bar 7: 1 1/2 in

(8) What is the length of bar 8: 5 3/8 in

(A) 1 7/8 in

(T) 6 1/2 in

(H) 2 in

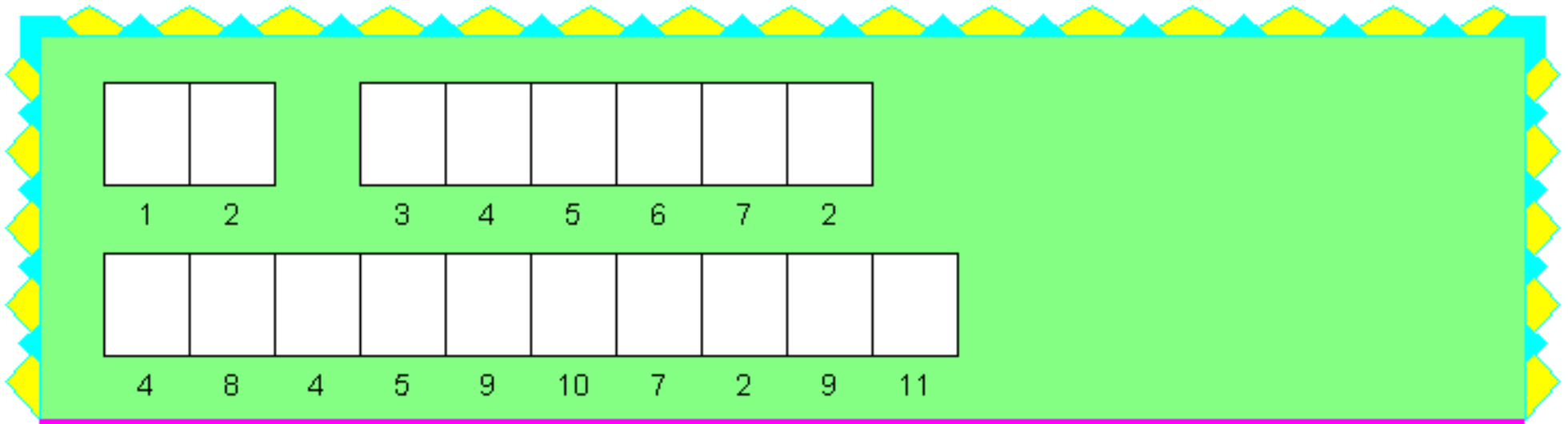
(L) 7 in

(C) 5 3/8 in

(E) 4 3/4 in

(U) 1 1/2 in

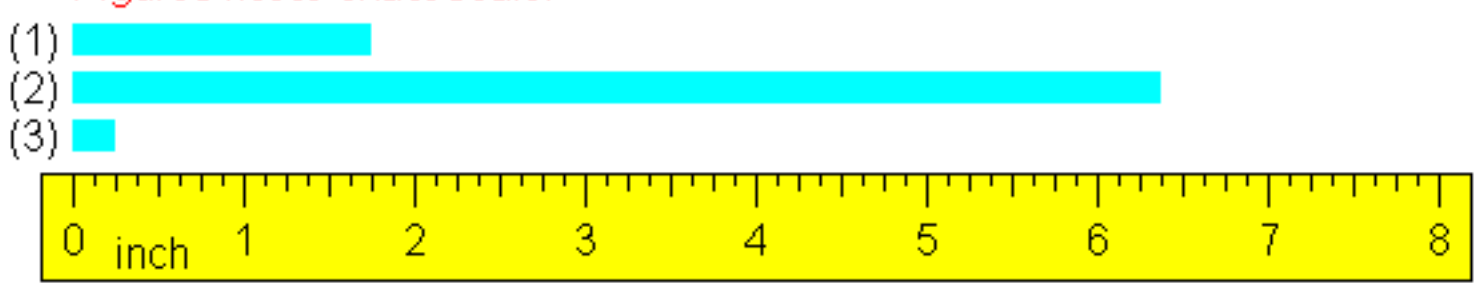
(D) 7 1/2 in



Where do earthworms live in the city?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

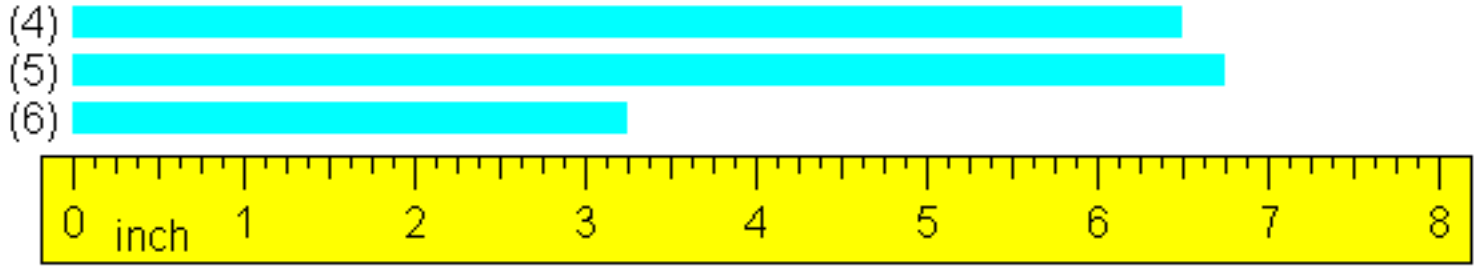
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

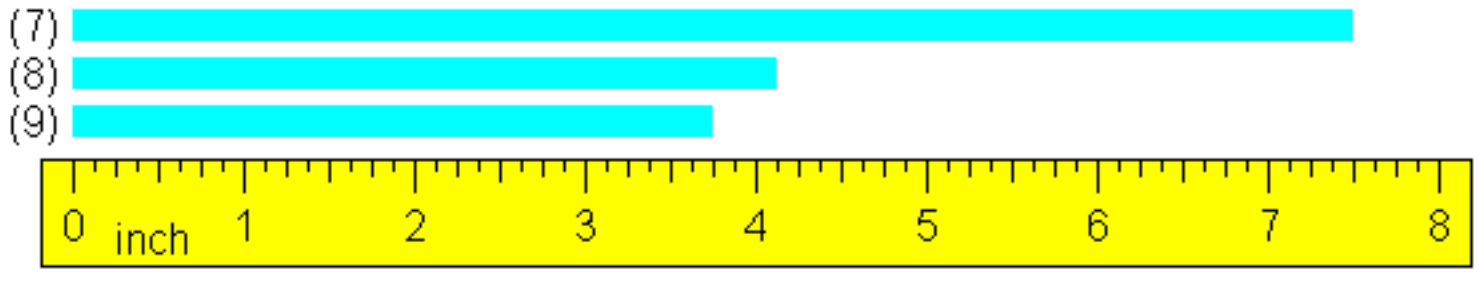
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

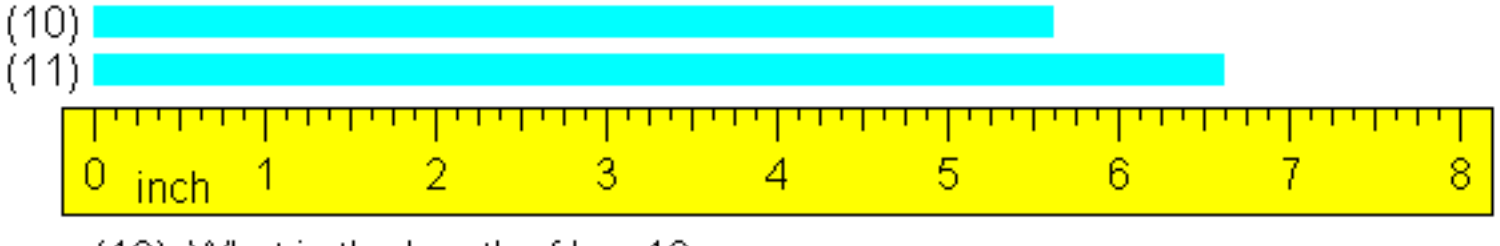
(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____



(10) What is the length of bar 10: _____

(11) What is the length of bar 11: _____

Ⓜ 5 5/8 in

Ⓐ 6 1/2 in

Ⓟ 4 1/8 in

Ⓝ 6 3/8 in

Ⓔ 7 1/2 in

Ⓖ 1/4 in

Ⓘ 1 3/4 in

Ⓣ 3 3/4 in

Ⓢ 6 5/8 in

Ⓡ 6 3/4 in

Ⓓ 3 1/4 in

I	N		G	A	R	D	E	N
1	2		3	4	5	6	7	2

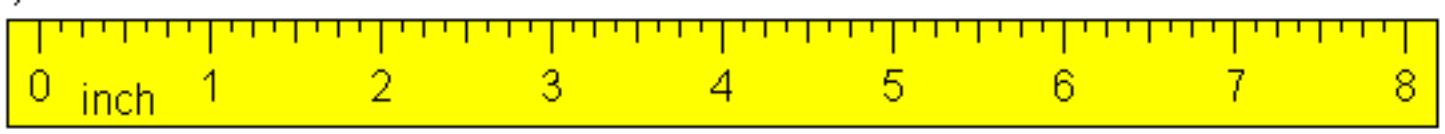
A	P	A	R	T	M	E	N	T	S
4	8	4	5	9	10	7	2	9	11

Where do earthworms live in the city?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

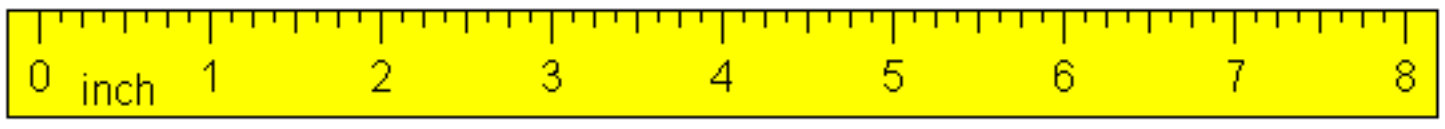
Figures not to exact scale:

(1)
(2)
(3)



(1) What is the length of bar 1: 1 3/4 in
(2) What is the length of bar 2: 6 3/8 in
(3) What is the length of bar 3: 1/4 in

(4)
(5)
(6)

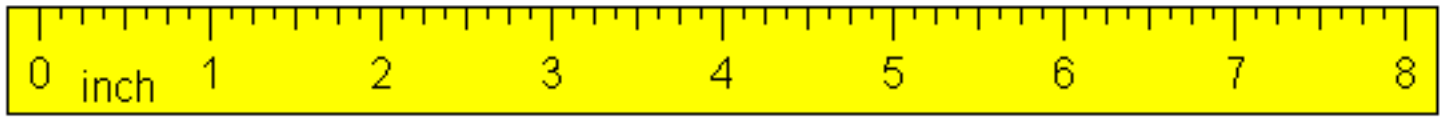


(4) What is the length of bar 4: 6 1/2 in
(5) What is the length of bar 5: 6 3/4 in
(6) What is the length of bar 6: 3 1/4 in

(7)
(8)
(9)

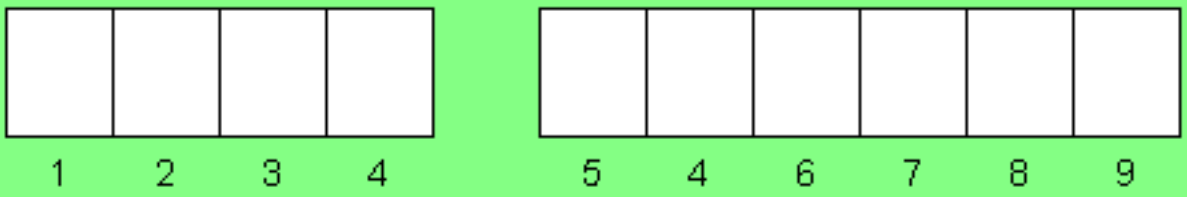
(7) What is the length of bar 7: 7 1/2 in
(8) What is the length of bar 8: 4 1/8 in
(9) What is the length of bar 9: 3 3/4 in

(10)
(11)



(10) What is the length of bar 10: 5 5/8 in
(11) What is the length of bar 11: 6 5/8 in

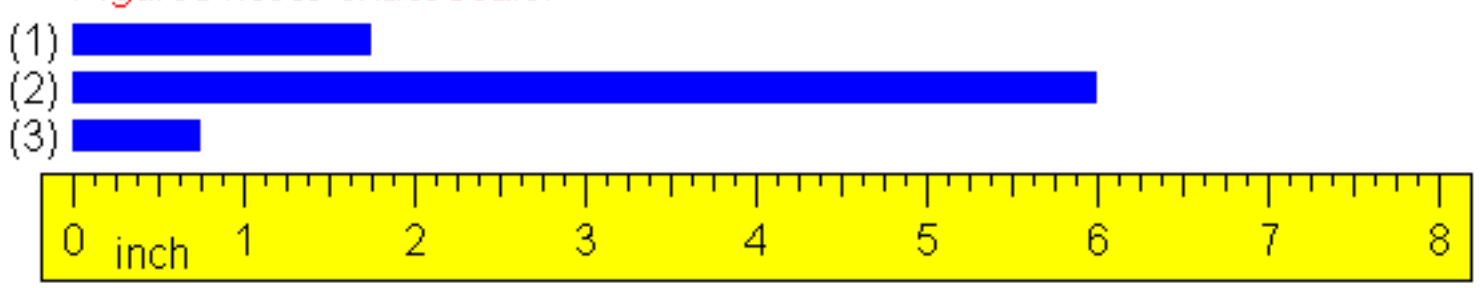
Ⓜ 5 5/8 in
Ⓐ 6 1/2 in
Ⓟ 4 1/8 in
Ⓝ 6 3/8 in
Ⓔ 7 1/2 in
Ⓖ 1/4 in
Ⓘ 1 3/4 in
Ⓣ 3 3/4 in
Ⓢ 6 5/8 in
Ⓡ 6 3/4 in
Ⓓ 3 1/4 in



What's light a s feather but you cannot hold?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

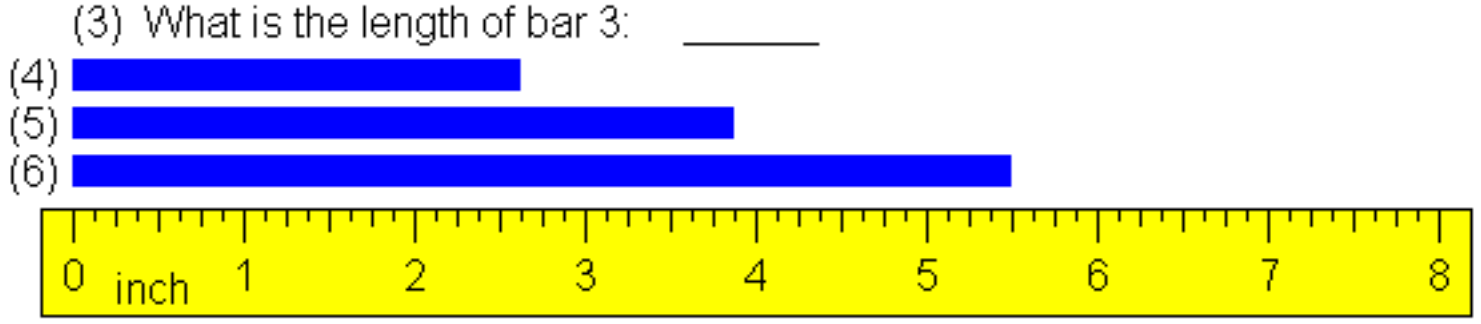
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

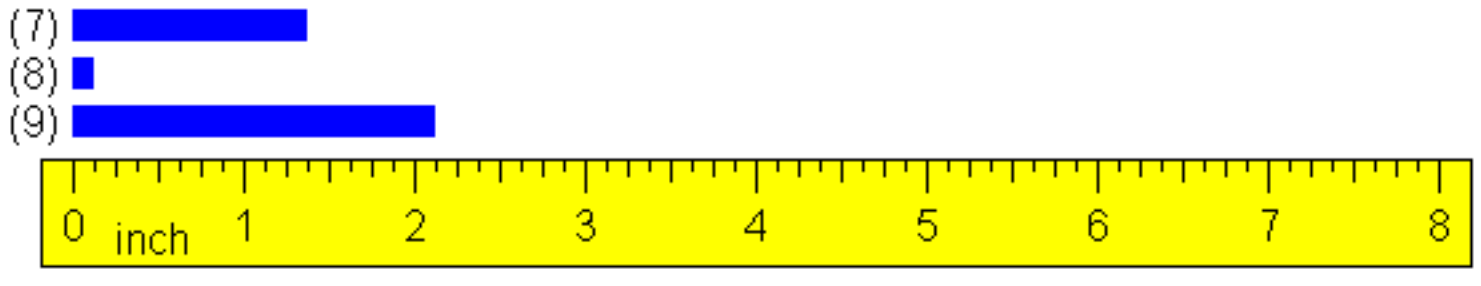
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____

(E) 5 1/2 in

(R) 2 5/8 in

(T) 1/8 in

(A) 1 3/8 in

(H) 2 1/8 in

(B) 3 7/8 in

(O) 6 in

(Y) 1 3/4 in

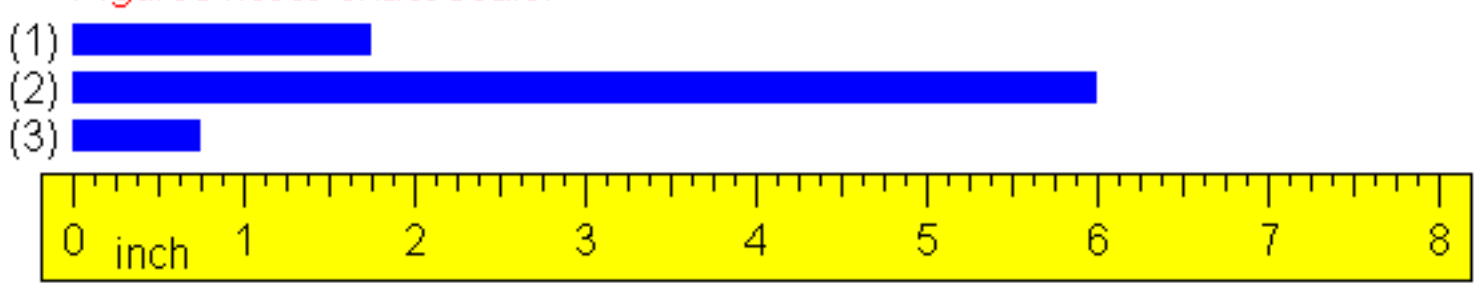
(U) 3/4 in

Y	O	U	R		B	R	E	A	T	H
1	2	3	4		5	4	6	7	8	9

What's light a s feather but you cannot hold?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

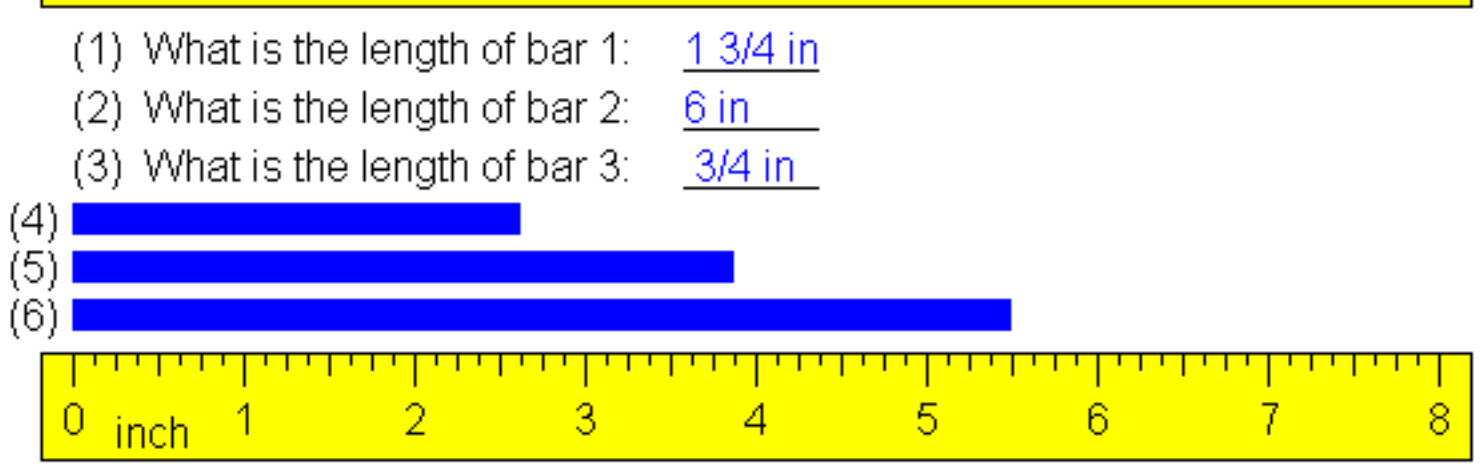
Figures not to exact scale:



(1) What is the length of bar 1: 1 3/4 in

(2) What is the length of bar 2: 6 in

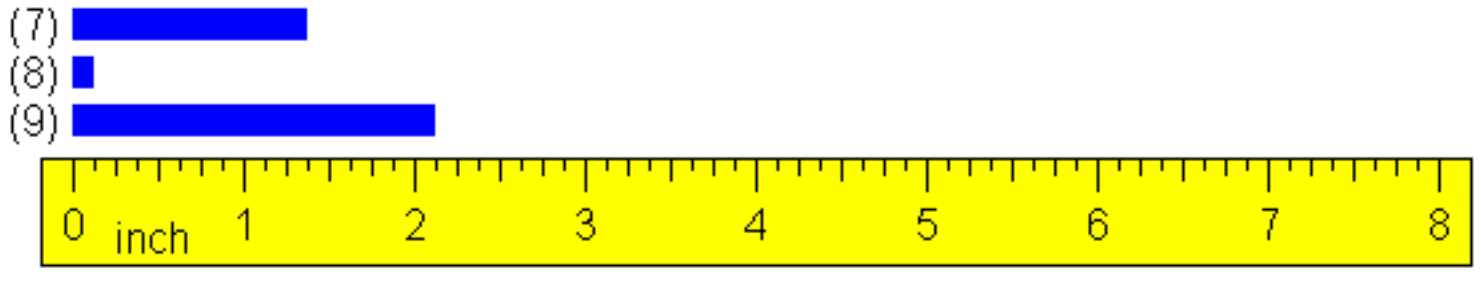
(3) What is the length of bar 3: 3/4 in



(4) What is the length of bar 4: 2 5/8 in

(5) What is the length of bar 5: 3 7/8 in

(6) What is the length of bar 6: 5 1/2 in



(7) What is the length of bar 7: 1 3/8 in

(8) What is the length of bar 8: 1/8 in

(9) What is the length of bar 9: 2 1/8 in

(E) 5 1/2 in

(R) 2 5/8 in

(T) 1/8 in

(A) 1 3/8 in

(H) 2 1/8 in

(B) 3 7/8 in

(O) 6 in

(Y) 1 3/4 in

(U) 3/4 in

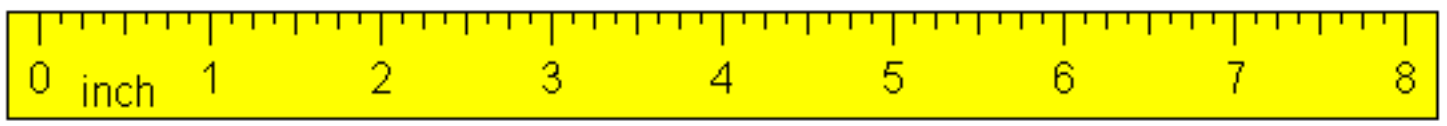
1	2	3	2	4	5	6	7	7	1

What has eight ribs but no body?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

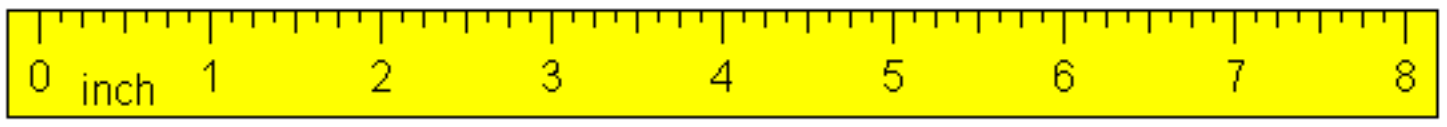


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)

(7) What is the length of bar 7: _____

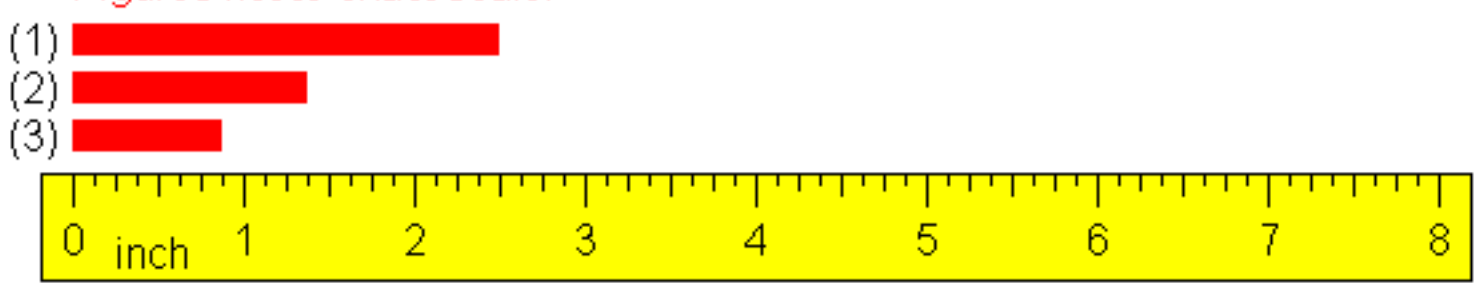
B	5/8 in
N	1 3/8 in
A	2 1/2 in
E	5 1/2 in
L	2 in
U	7/8 in
R	4 1/4 in

A	N		U	N	B	R	E	L	L	A
1	2		3	2	4	5	6	7	7	1

What has eight ribs but no body?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

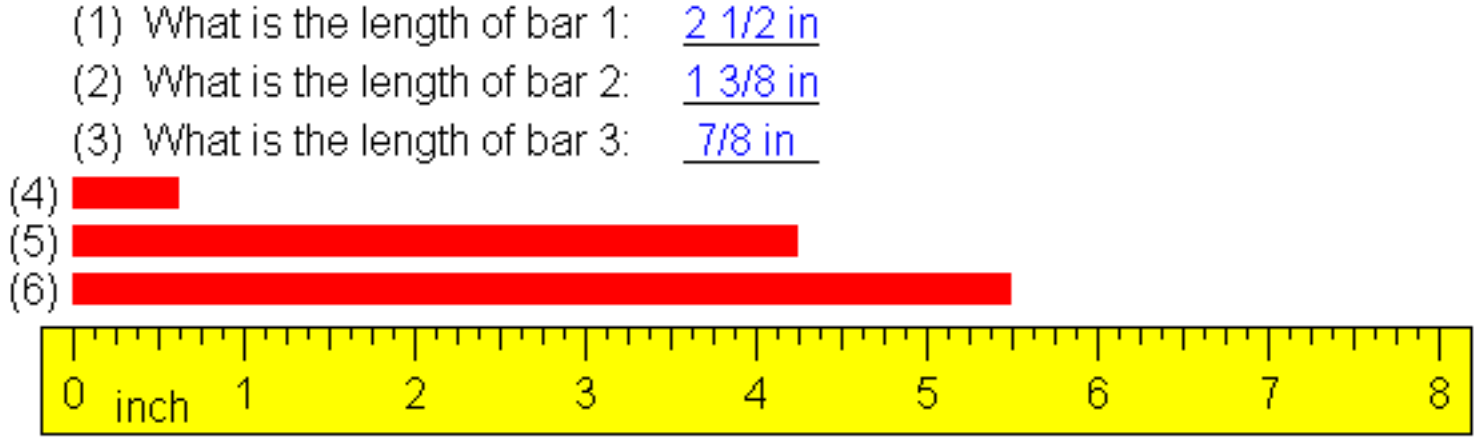
Figures not to exact scale:



(1) What is the length of bar 1: 2 1/2 in

(2) What is the length of bar 2: 1 3/8 in

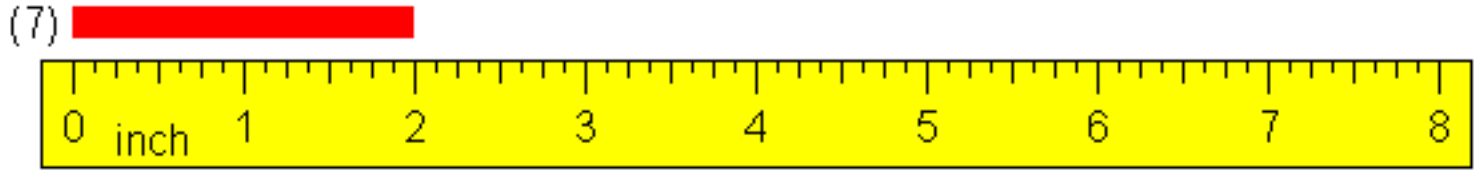
(3) What is the length of bar 3: 7/8 in



(4) What is the length of bar 4: 5/8 in

(5) What is the length of bar 5: 4 1/4 in

(6) What is the length of bar 6: 5 1/2 in



(7) What is the length of bar 7: 2 in

(B) 5/8 in

(N) 1 3/8 in

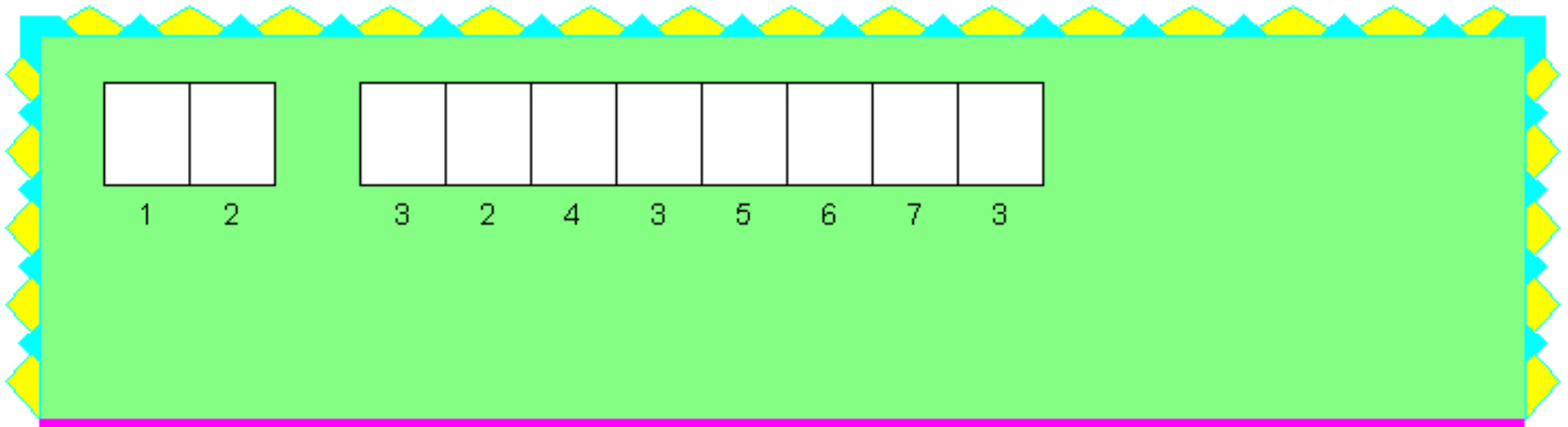
(A) 2 1/2 in

(E) 5 1/2 in

(L) 2 in

(U) 7/8 in

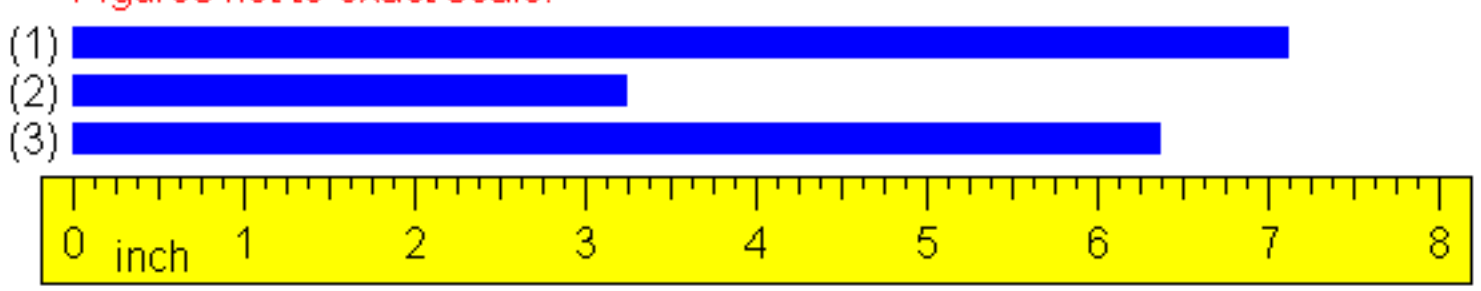
(R) 4 1/4 in



What starts with E, ends with E, and has one letter inside?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

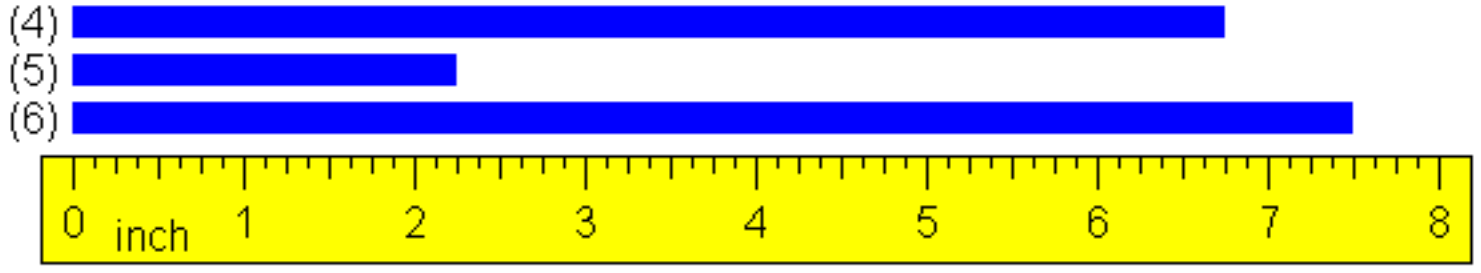
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

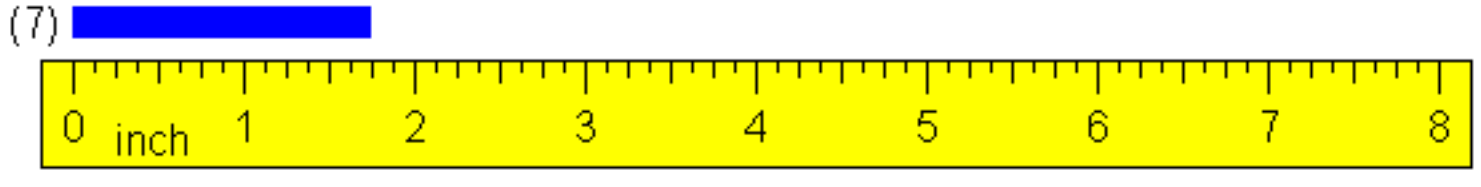
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

Ⓥ 6 3/4 in

Ⓞ 7 1/2 in

Ⓝ 3 1/4 in

Ⓟ 1 3/4 in

Ⓛ 2 1/4 in

Ⓐ 7 1/8 in

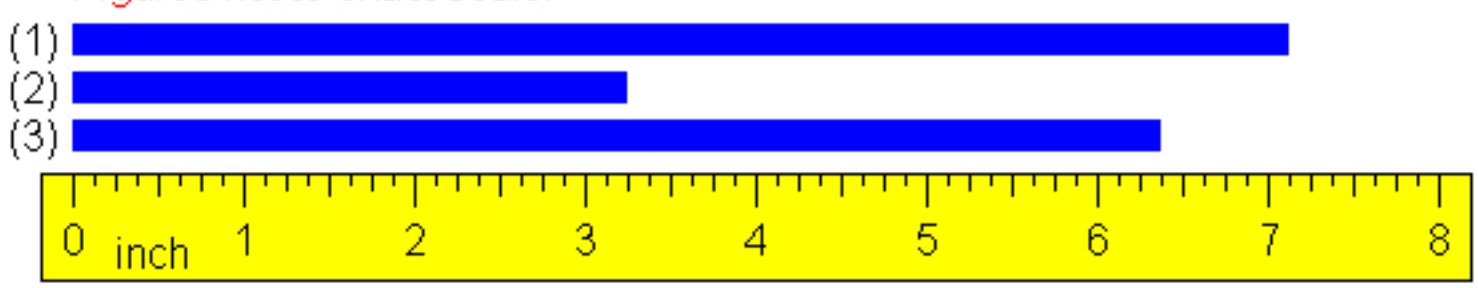
Ⓔ 6 3/8 in

A	N		E	N	V	E	L	O	P	E
1	2		3	2	4	3	5	6	7	3

What starts with E, ends with E, and has one letter inside?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

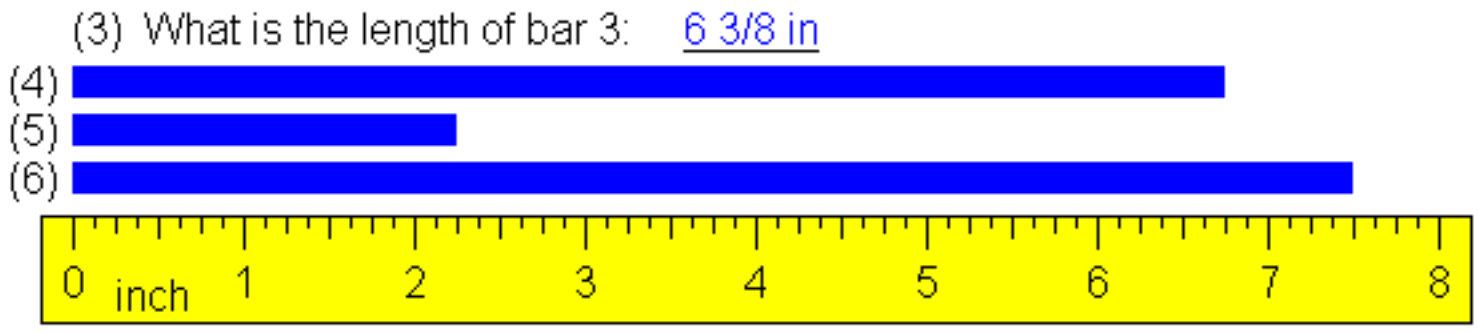
Figures not to exact scale:



(1) What is the length of bar 1: 7 1/8 in

(2) What is the length of bar 2: 3 1/4 in

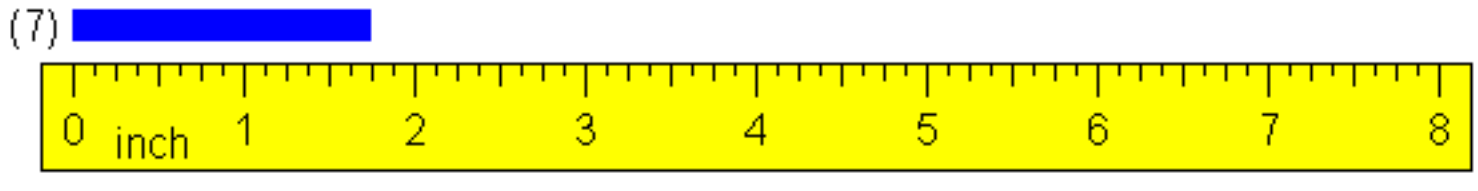
(3) What is the length of bar 3: 6 3/8 in



(4) What is the length of bar 4: 6 3/4 in

(5) What is the length of bar 5: 2 1/4 in

(6) What is the length of bar 6: 7 1/2 in



(7) What is the length of bar 7: 1 3/4 in

(V) 6 3/4 in

(O) 7 1/2 in

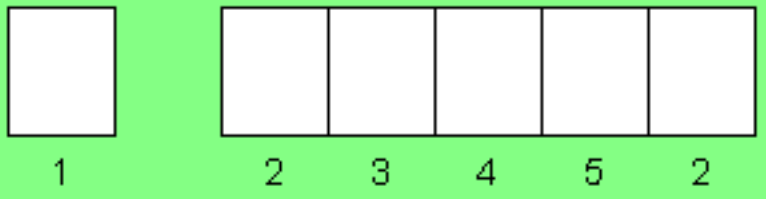
(N) 3 1/4 in

(P) 1 3/4 in

(L) 2 1/4 in

(A) 7 1/8 in

(E) 6 3/8 in



What has two banks, but no money?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 57 in = _____ ft

(2) 12 ft = _____ in

(3) 91 in = _____ ft

(4) 10 ft = _____ in

(5) 92 in = _____ ft

Ⓘ **7 ft 7 in**

Ⓥ **120 in**

Ⓐ **4 ft 9 in**

Ⓔ **7 ft 8 in**

Ⓡ **144 in**

A	R	I	V	E	R
1	2	3	4	5	2

What has two banks, but no money?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 57 in = _____ ft

$$57\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 4\ \text{ft}\ 9\ \text{in}$$

(2) 12 ft = _____ in

$$12\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 144\ \text{in}$$

(3) 91 in = _____ ft

$$91\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 7\ \text{ft}\ 7\ \text{in}$$

(4) 10 ft = _____ in

$$10\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 120\ \text{in}$$

(5) 92 in = _____ ft

$$92\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 7\ \text{ft}\ 8\ \text{in}$$

(I) **7 ft 7 in**

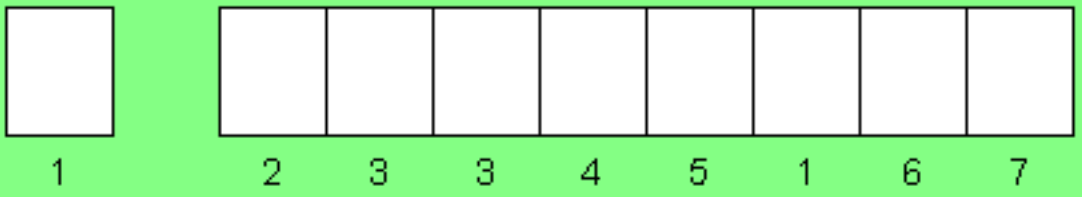
(V) **120 in**

(A) **4 ft 9 in**

(E) **7 ft 8 in**

(R) **144 in**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



What has many stories but no windows?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 11 ft = _____ in

(2) 11 ft = _____ in

(3) 6 ft = _____ in

(4) 27 in = _____ ft

(5) 66 in = _____ ft

(6) 36 in = _____ ft

(7) 44 in = _____ ft

(O) 72 in

(B) 132 in

(K) 2 ft 3 in

(C) 5 ft 6 in

(E) 3 ft 8 in

(S) 3 ft

(A) 132 in

A	B	O	O	K	C	A	S	E
1	2	3	3	4	5	1	6	7

What has many stories but no windows?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 11 ft = _____ in $11\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 132\ in$

(2) 11 ft = _____ in $11\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 132\ in$

(3) 6 ft = _____ in $6\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 72\ in$

(4) 27 in = _____ ft $27\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 2\ ft\ 3\ in$

(5) 66 in = _____ ft $66\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 5\ ft\ 6\ in$

(6) 36 in = _____ ft $36\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 3\ ft$

(7) 44 in = _____ ft $44\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 3\ ft\ 8\ in$

(O) 72 in

(B) 132 in

(K) 2 ft 3 in

(C) 5 ft 6 in

(E) 3 ft 8 in

(S) 3 ft

(A) 132 in

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5	6	1	7	8	3	9

What was in the frog's lunchbox?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 18 ft = _____ in

(2) 8 ft = _____ in

(3) 113 in = _____ ft

(4) 42 in = _____ ft

(5) 3 ft = _____ in

(6) 20 in = _____ ft

(7) 13 ft = _____ in

(8) 4 ft = _____ in

(9) 106 in = _____ ft

(N) 3 ft 6 in

(C) 36 in

(L) 156 in

(S) 8 ft 10 in

(E) 9 ft 5 in

(R) 96 in

(I) 48 in

(F) 216 in

(H) 1 ft 8 in

F	R	E	N	C	H
1	2	3	4	5	6

F	L	I	E	S
1	7	8	3	9

What was in the frog's lunchbox?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 18 ft = _____ in $18\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 216\ in$

(2) 8 ft = _____ in $8\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 96\ in$

(3) 113 in = _____ ft $113\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 9\ ft\ 5\ in$

(4) 42 in = _____ ft $42\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 3\ ft\ 6\ in$

(5) 3 ft = _____ in $3\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 36\ in$

(6) 20 in = _____ ft $20\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 1\ ft\ 8\ in$

(7) 13 ft = _____ in $13\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 156\ in$

(8) 4 ft = _____ in $4\ \cancel{ft}\left(\frac{12\ in}{1\ \cancel{ft}}\right) = 48\ in$

(9) 106 in = _____ ft $106\ \cancel{in}\left(\frac{1\ ft}{12\ \cancel{in}}\right) = 8\ ft\ 10\ in$

(N) **3 ft 6 in**

(C) **36 in**

(L) **156 in**

(S) **8 ft 10 in**

(E) **9 ft 5 in**

(R) **96 in**

(I) **48 in**

(F) **216 in**

(H) **1 ft 8 in**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	
4	5	6	7
8	3	9	1
10	11	12	

Why did the police raid the refrigerator?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 10 ft = _____ in

(2) 17 ft = _____ in

(3) 11 ft = _____ in

(4) 18 ft = _____ in

(5) 16 ft = _____ in

(6) 12 ft = _____ in

(7) 21 in = _____ ft

(8) 58 in = _____ ft

(9) 2 ft = _____ in

(10) 153 in = _____ ft

(11) 179 in = _____ ft

(12) 15 ft = _____ in

(A) 14 ft 11 in

(L) 144 in

(I) 192 in

(E) 132 in

(H) 204 in

(T) 120 in

(K) 1 ft 9 in

(M) 216 in

(B) 12 ft 9 in

(N) 24 in

(D) 180 in

(W) 4 ft 10 in

T	H	E
1	2	3

M	I	L	K
4	5	6	7

W	E	N	T
8	3	9	1

B	A	D
10	11	12

Why did the police raid the refrigerator?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 10 ft = _____ in

$$10\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 120\ \text{in}$$

(2) 17 ft = _____ in

$$17\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 204\ \text{in}$$

(3) 11 ft = _____ in

$$11\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 132\ \text{in}$$

(4) 18 ft = _____ in

$$18\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 216\ \text{in}$$

(5) 16 ft = _____ in

$$16\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 192\ \text{in}$$

(6) 12 ft = _____ in

$$12\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 144\ \text{in}$$

(7) 21 in = _____ ft

$$21\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 1\ \text{ft}\ 9\ \text{in}$$

(8) 58 in = _____ ft

$$58\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 4\ \text{ft}\ 10\ \text{in}$$

(9) 2 ft = _____ in

$$2\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 24\ \text{in}$$

(10) 153 in = _____ ft

$$153\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 12\ \text{ft}\ 9\ \text{in}$$

(11) 179 in = _____ ft

$$179\ \text{in} \left(\frac{1\ \text{ft}}{12\ \text{in}}\right) = 14\ \text{ft}\ 11\ \text{in}$$

(12) 15 ft = _____ in

$$15\ \text{ft} \left(\frac{12\ \text{in}}{1\ \text{ft}}\right) = 180\ \text{in}$$

(A) **14 ft 11 in**

(L) **144 in**

(I) **192 in**

(E) **132 in**

(H) **204 in**

(T) **120 in**

(K) **1 ft 9 in**

(M) **216 in**

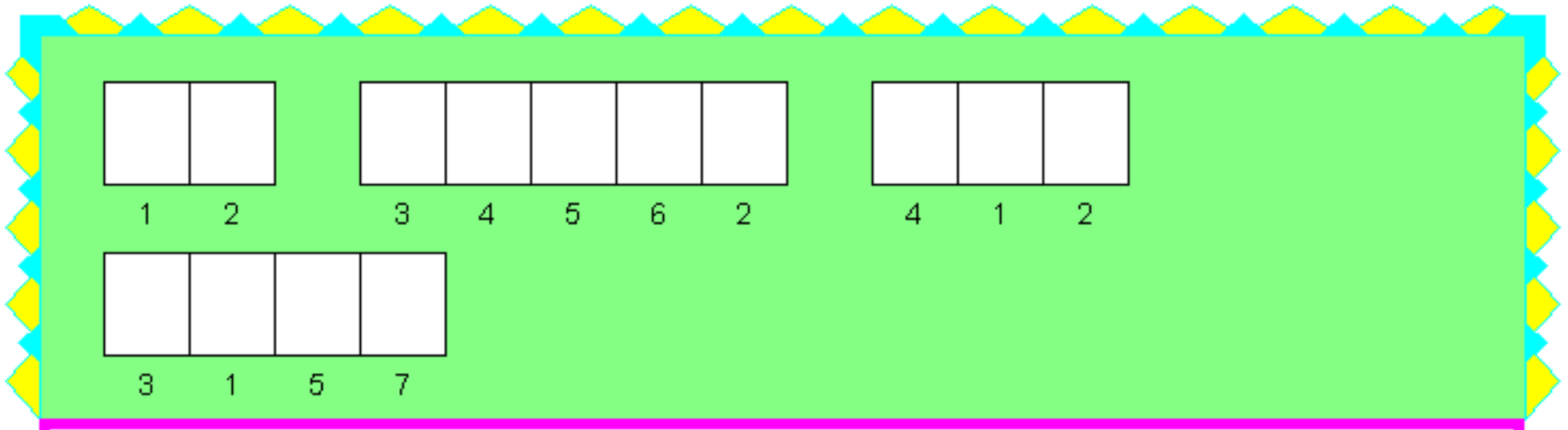
(B) **12 ft 9 in**

(N) **24 in**

(D) **180 in**

(W) **4 ft 10 in**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



Why was the dog banned from the flea circus?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 347 in = _____ yd

(2) 9 yd = _____ in

(3) 8 yd = _____ in

(4) 95 in = _____ yd

(5) 5 yd = _____ in

(6) 132 in = _____ yd

(7) 325 in = _____ yd

(H) 9 yd 23 in

(E) 324 in

(T) 2 yd 23 in

(W) 9 yd 1 in

(O) 180 in

(L) 3 yd 24 in

(S) 288 in

H	E		S	T	O	L	E		T	H	E
1	2		3	4	5	6	2		4	1	2

S	H	O	W
3	1	5	7

Why was the dog banned from the flea circus?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 347 in = _____ yd

$$347\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 9\ \text{yd}\ 23\ \text{in}$$

(2) 9 yd = _____ in

$$9\ \text{yd} \left(\frac{36\ \text{in}}{1\ \text{yd}}\right) = 324\ \text{in}$$

(3) 8 yd = _____ in

$$8\ \text{yd} \left(\frac{36\ \text{in}}{1\ \text{yd}}\right) = 288\ \text{in}$$

(4) 95 in = _____ yd

$$95\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 2\ \text{yd}\ 23\ \text{in}$$

(5) 5 yd = _____ in

$$5\ \text{yd} \left(\frac{36\ \text{in}}{1\ \text{yd}}\right) = 180\ \text{in}$$

(6) 132 in = _____ yd

$$132\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 3\ \text{yd}\ 24\ \text{in}$$

(7) 325 in = _____ yd

$$325\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 9\ \text{yd}\ 1\ \text{in}$$

(H) **9 yd 23 in**

(E) **324 in**

(T) **2 yd 23 in**

(W) **9 yd 1 in**

(O) **180 in**

(L) **3 yd 24 in**

(S) **288 in**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	3	4	5	2

6	1	7	8	2

What did the rabbits say to the farmer?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 326 in = _____ yd

(2) 314 in = _____ yd

(3) 300 in = _____ yd

(4) 355 in = _____ yd

(5) 4 yd = _____ in

(6) 10 yd = _____ in

(7) 83 in = _____ yd

(8) 10 yd = _____ in

(O) **2 yd 11 in**

(A) **360 in**

(C) **144 in**

(E) **8 yd 26 in**

(T) **8 yd 12 in**

(N) **360 in**

(U) **9 yd 31 in**

(L) **9 yd 2 in**

L	E	T	T	U	C	E
1	2	3	3	4	5	2

A	L	O	N	E
6	1	7	8	2

What did the rabbits say to the farmer?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 326 in = _____ yd $326\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 9\ \text{yd}\ 2\ \text{in}$

(2) 314 in = _____ yd $314\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 8\ \text{yd}\ 26\ \text{in}$

(3) 300 in = _____ yd $300\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 8\ \text{yd}\ 12\ \text{in}$

(4) 355 in = _____ yd $355\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 9\ \text{yd}\ 31\ \text{in}$

(5) 4 yd = _____ in $4\ \text{yd} \left(\frac{36\ \text{in}}{1\ \text{yd}}\right) = 144\ \text{in}$

(6) 10 yd = _____ in $10\ \text{yd} \left(\frac{36\ \text{in}}{1\ \text{yd}}\right) = 360\ \text{in}$

(7) 83 in = _____ yd $83\ \text{in} \left(\frac{1\ \text{yd}}{36\ \text{in}}\right) = 2\ \text{yd}\ 11\ \text{in}$

(8) 10 yd = _____ in $10\ \text{yd} \left(\frac{36\ \text{in}}{1\ \text{yd}}\right) = 360\ \text{in}$

(O) **2 yd 11 in**

(A) **360 in**

(C) **144 in**

(E) **8 yd 26 in**

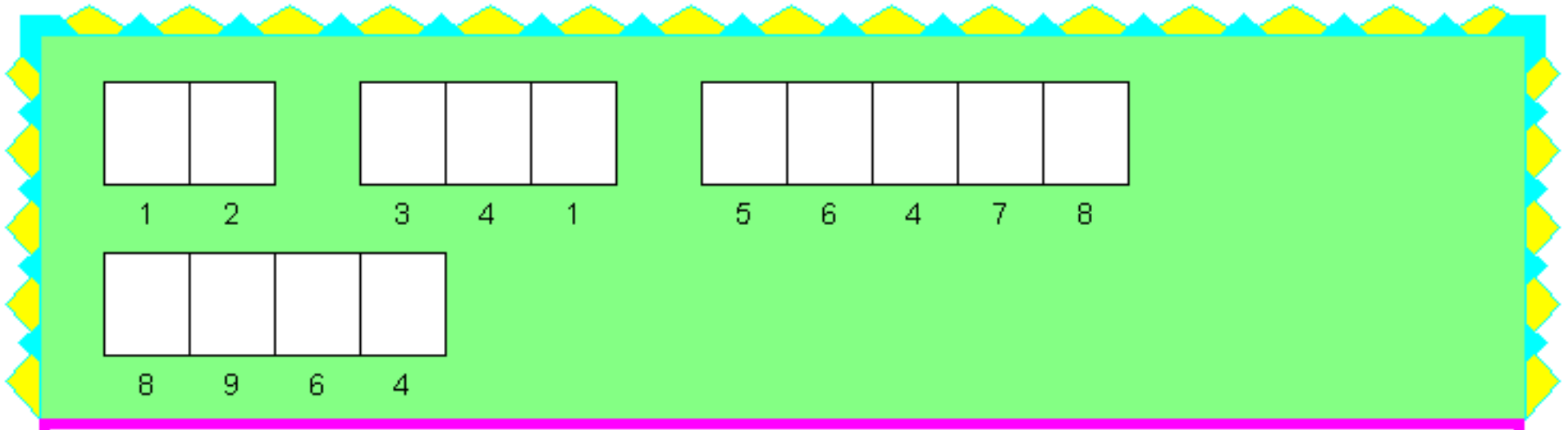
(T) **8 yd 12 in**

(N) **360 in**

(U) **9 yd 31 in**

(L) **9 yd 2 in**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



Why did the fox leave its den?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 3 yd = _____ in

(2) 138 in = _____ yd

(3) 9 yd = _____ in

(4) 373 in = _____ yd

(5) 10 yd = _____ in

(6) 169 in = _____ yd

(7) 47 in = _____ yd

(8) 193 in = _____ yd

(9) 5 yd = _____ in

(S) **1 yd 11 in**

(H) **5 yd 13 in**

(A) **180 in**

(T) **108 in**

(F) **360 in**

(O) **3 yd 30 in**

(E) **10 yd 13 in**

(G) **324 in**

(R) **4 yd 25 in**

T	O
1	2

G	E	T
3	4	1

F	R	E	S	H
5	6	4	7	8

H	A	R	E
8	9	6	4

Why did the fox leave its den?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 3 yd = _____ in

$$3\ \cancel{\text{yd}}\left(\frac{36\ \text{in}}{1\ \cancel{\text{yd}}}\right) = 108\ \text{in}$$

(2) 138 in = _____ yd

$$138\ \cancel{\text{in}}\left(\frac{1\ \text{yd}}{36\ \cancel{\text{in}}}\right) = 3\ \text{yd}\ 30\ \text{in}$$

(3) 9 yd = _____ in

$$9\ \cancel{\text{yd}}\left(\frac{36\ \text{in}}{1\ \cancel{\text{yd}}}\right) = 324\ \text{in}$$

(4) 373 in = _____ yd

$$373\ \cancel{\text{in}}\left(\frac{1\ \text{yd}}{36\ \cancel{\text{in}}}\right) = 10\ \text{yd}\ 13\ \text{in}$$

(5) 10 yd = _____ in

$$10\ \cancel{\text{yd}}\left(\frac{36\ \text{in}}{1\ \cancel{\text{yd}}}\right) = 360\ \text{in}$$

(6) 169 in = _____ yd

$$169\ \cancel{\text{in}}\left(\frac{1\ \text{yd}}{36\ \cancel{\text{in}}}\right) = 4\ \text{yd}\ 25\ \text{in}$$

(7) 47 in = _____ yd

$$47\ \cancel{\text{in}}\left(\frac{1\ \text{yd}}{36\ \cancel{\text{in}}}\right) = 1\ \text{yd}\ 11\ \text{in}$$

(8) 193 in = _____ yd

$$193\ \cancel{\text{in}}\left(\frac{1\ \text{yd}}{36\ \cancel{\text{in}}}\right) = 5\ \text{yd}\ 13\ \text{in}$$

(9) 5 yd = _____ in

$$5\ \cancel{\text{yd}}\left(\frac{36\ \text{in}}{1\ \cancel{\text{yd}}}\right) = 180\ \text{in}$$

(S) **1 yd 11 in**

(H) **5 yd 13 in**

(A) **180 in**

(T) **108 in**

(F) **360 in**

(O) **3 yd 30 in**

(E) **10 yd 13 in**

(G) **324 in**

(R) **4 yd 25 in**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5	2	6	7	8	9	4	2	10	11

Which boat is the smartest?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 33 ft = _____ yd

(2) 51 ft = _____ yd

(3) 35 ft = _____ yd

(4) 17 yd = _____ ft

(5) 58 ft = _____ yd

(6) 24 ft = _____ yd

(7) 7 yd = _____ ft

(8) 59 ft = _____ yd

(9) 50 ft = _____ yd

(10) 9 yd = _____ ft

(11) 2 yd = _____ ft

(S) **51 ft**

(E) **11 yd 2 ft**

(T) **11 yd**

(L) **21 ft**

(I) **27 ft**

(H) **17 yd**

(P) **6 ft**

(C) **19 yd 1 ft**

(O) **8 yd**

(R) **16 yd 2 ft**

(A) **19 yd 2 ft**

T	H	E		S	C	H	O	L	A	R		S	H	I	P
1	2	3		4	5	2	6	7	8	9		4	2	10	11

Which boat is the smartest?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 33 ft = _____ yd — $33\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 11\ \text{yd}$

(2) 51 ft = _____ yd — $51\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 17\ \text{yd}$

(3) 35 ft = _____ yd — $35\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 11\ \text{yd}\ 2\ \text{ft}$

(4) 17 yd = _____ ft — $17\ \text{yd}\left(\frac{3\ \text{ft}}{1\ \text{yd}}\right) = 51\ \text{ft}$

(5) 58 ft = _____ yd — $58\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 19\ \text{yd}\ 1\ \text{ft}$

(6) 24 ft = _____ yd — $24\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 8\ \text{yd}$

(7) 7 yd = _____ ft — $7\ \text{yd}\left(\frac{3\ \text{ft}}{1\ \text{yd}}\right) = 21\ \text{ft}$

(8) 59 ft = _____ yd — $59\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 19\ \text{yd}\ 2\ \text{ft}$

(9) 50 ft = _____ yd — $50\ \text{ft}\left(\frac{1\ \text{yd}}{3\ \text{ft}}\right) = 16\ \text{yd}\ 2\ \text{ft}$

(10) 9 yd = _____ ft — $9\ \text{yd}\left(\frac{3\ \text{ft}}{1\ \text{yd}}\right) = 27\ \text{ft}$

(11) 2 yd = _____ ft — $2\ \text{yd}\left(\frac{3\ \text{ft}}{1\ \text{yd}}\right) = 6\ \text{ft}$

(S) 51 ft

(E) 11 yd 2 ft

(T) 11 yd

(L) 21 ft

(I) 27 ft

(H) 17 yd

(P) 6 ft

(C) 19 yd 1 ft

(O) 8 yd

(R) 16 yd 2 ft

(A) 19 yd 2 ft

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	1	2	4	5	6	7	8	9	1

What has teeth but cannot eat?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 16 yd = _____ ft

(2) 17 yd = _____ ft

(3) 7 yd = _____ ft

(4) 4 yd = _____ ft

(5) 3 ft = _____ yd

(6) 18 ft = _____ yd

(7) 3 ft = _____ yd

(8) 53 ft = _____ yd

(9) 15 yd = _____ ft

(W) 21 ft

(M) 17 yd 2 ft

(B) 45 ft

(C) 6 yd

(N) 12 ft

(O) 1 yd

(A) 51 ft

(D) 1 yd

(S) 48 ft

S	A	W	S
1	2	3	1

A	N	D
2	4	5

C	O	M	B	S
6	7	8	9	1

What has teeth but cannot eat?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 16 yd = _____ ft $16\ \cancel{yd}\left(\frac{3\ ft}{1\ \cancel{yd}}\right) = 48\ ft$

(2) 17 yd = _____ ft $17\ \cancel{yd}\left(\frac{3\ ft}{1\ \cancel{yd}}\right) = 51\ ft$

(3) 7 yd = _____ ft $7\ \cancel{yd}\left(\frac{3\ ft}{1\ \cancel{yd}}\right) = 21\ ft$

(4) 4 yd = _____ ft $4\ \cancel{yd}\left(\frac{3\ ft}{1\ \cancel{yd}}\right) = 12\ ft$

(5) 3 ft = _____ yd $3\ \cancel{ft}\left(\frac{1\ yd}{3\ \cancel{ft}}\right) = 1\ yd$

(6) 18 ft = _____ yd $18\ \cancel{ft}\left(\frac{1\ yd}{3\ \cancel{ft}}\right) = 6\ yd$

(7) 3 ft = _____ yd $3\ \cancel{ft}\left(\frac{1\ yd}{3\ \cancel{ft}}\right) = 1\ yd$

(8) 53 ft = _____ yd $53\ \cancel{ft}\left(\frac{1\ yd}{3\ \cancel{ft}}\right) = 17\ yd\ 2\ ft$

(9) 15 yd = _____ ft $15\ \cancel{yd}\left(\frac{3\ ft}{1\ \cancel{yd}}\right) = 45\ ft$

(W) 21 ft

(M) 17 yd 2 ft

(B) 45 ft

(C) 6 yd

(N) 12 ft

(O) 1 yd

(A) 51 ft

(D) 1 yd

(S) 48 ft

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	1	1	4

5	6	7	1	8

Who starred in the movie, "A Cliffhanger"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 1 yd = _____ ft

(2) 11 yd = _____ ft

(3) 12 yd = _____ ft

(4) 7 ft = _____ yd

(5) 15 yd = _____ ft

(6) 7 yd = _____ ft

(7) 6 yd = _____ ft

(8) 23 ft = _____ yd

(R) 7 yd 2 ft

(D) 45 ft

(N) 2 yd 1 ft

(O) 21 ft

(V) 18 ft

(I) 33 ft

(E) 3 ft

(L) 36 ft

E	I	L	E	E	N
1	2	3	1	1	4

D	O	V	E	R
5	6	7	1	8

Who starred in the movie, "A Cliffhanger"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 1 yd = _____ ft $1\ \cancel{\text{yd}} \left(\frac{3\ \text{ft}}{1\ \cancel{\text{yd}}}\right) = 3\ \text{ft}$

(2) 11 yd = _____ ft $11\ \cancel{\text{yd}} \left(\frac{3\ \text{ft}}{1\ \cancel{\text{yd}}}\right) = 33\ \text{ft}$

(3) 12 yd = _____ ft $12\ \cancel{\text{yd}} \left(\frac{3\ \text{ft}}{1\ \cancel{\text{yd}}}\right) = 36\ \text{ft}$

(4) 7 ft = _____ yd $7\ \cancel{\text{ft}} \left(\frac{1\ \text{yd}}{3\ \cancel{\text{ft}}}\right) = 2\ \text{yd}\ 1\ \text{ft}$

(5) 15 yd = _____ ft $15\ \cancel{\text{yd}} \left(\frac{3\ \text{ft}}{1\ \cancel{\text{yd}}}\right) = 45\ \text{ft}$

(6) 7 yd = _____ ft $7\ \cancel{\text{yd}} \left(\frac{3\ \text{ft}}{1\ \cancel{\text{yd}}}\right) = 21\ \text{ft}$

(7) 6 yd = _____ ft $6\ \cancel{\text{yd}} \left(\frac{3\ \text{ft}}{1\ \cancel{\text{yd}}}\right) = 18\ \text{ft}$

(8) 23 ft = _____ yd $23\ \cancel{\text{ft}} \left(\frac{1\ \text{yd}}{3\ \cancel{\text{ft}}}\right) = 7\ \text{yd}\ 2\ \text{ft}$

(R) 7 yd 2 ft

(D) 45 ft

(N) 2 yd 1 ft

(O) 21 ft

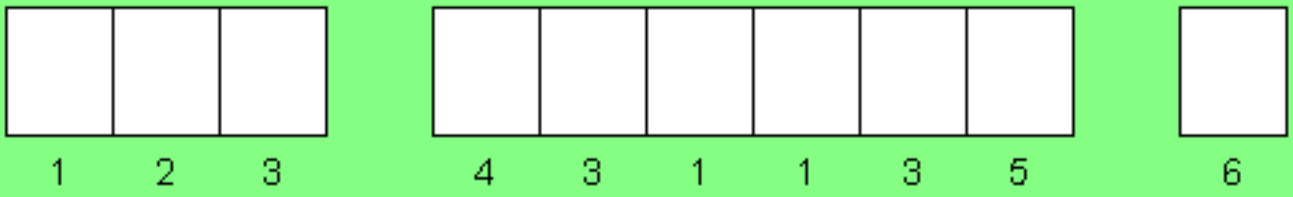
(V) 18 ft

(I) 33 ft

(E) 3 ft

(L) 36 ft

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



What is once in a minute, twice in a moment, but never in a thousand years?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{rr} & 27\text{ ft }\ 11\text{ in} \\ - & 15\text{ ft }\ 10\text{ in} \\ \hline \end{array}$$

(2)

$$\begin{array}{rr} & 32\text{ ft }\ 1\text{ in} \\ - & 20\text{ ft }\ 10\text{ in} \\ \hline \end{array}$$

(3)

$$\begin{array}{rr} & 26\text{ ft} \\ - & 10\text{ ft }\ 4\text{ in} \\ \hline \end{array}$$

(4)

$$\begin{array}{rr} & 19\text{ yd} \\ - & 4\text{ yd }\ 1\text{ ft} \\ \hline \end{array}$$

(5)

$$\begin{array}{rr} & 27\text{ ft }\ 1\text{ in} \\ - & 20\text{ ft }\ 3\text{ in} \\ \hline \end{array}$$

(6)

$$\begin{array}{rr} & 8\text{ ft }\ 6\text{ in} \\ + & 5\text{ ft }\ 1\text{ in} \\ \hline \end{array}$$

(T) **12 ft 1 in**

(L) **14 yd 2 ft**

(H) **11 ft 3 in**

(M) **13 ft 7 in**

(E) **15 ft 8 in**

(R) **6 ft 10 in**

T	H	E		L	E	T	T	E	R		M
1	2	3		4	3	1	1	3	5		6

What is once in a minute, twice in a moment, but never in a thousand years?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	27	ft	11	in
-	15	ft	10	in
	12	ft	1	in

(2)

	31	ft	13	in
	~~32~~	ft	~~1~~	in
-	20	ft	10	in
	11	ft	3	in

(3)

	25	ft	12	in
	~~26~~	ft		
-	10	ft	4	in
	15	ft	8	in

(4)

	18	yd	3	ft
	~~19~~	yd		
-	4	yd	1	ft
	14	yd	2	ft

(5)

	26	ft	13	in
	~~27~~	ft	~~1~~	in
-	20	ft	3	in
	6	ft	10	in

(6)

	8	ft	6	in
+	5	ft	1	in
	13	ft	7	in

(T) **12 ft 1 in**

(L) **14 yd 2 ft**

(H) **11 ft 3 in**

(M) **13 ft 7 in**

(E) **15 ft 8 in**

(R) **6 ft 10 in**

1	2	3	4	5	6	5

7	4	5	8

9	6	5

9	10	11	12	5

If a plane crashed on the US-Canadian border, where would they bury the survivors?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	34	ft	2	in
-	19	ft	6	in

(2)

	23	ft	9	in
-	13	ft	3	in

(3)

	15	yd	2	ft
+	15	yd	2	ft

(4)

	12	ft	1	in
-	9	ft		

(5)

	15	yd	1	ft
+	14	yd	2	ft

(6)

	1	ft	10	in
+	11	ft	9	in

(7)

	12	yd	1	ft
-	8	yd		

(8)

	16	ft	11	in
+	6	ft	10	in

(9)

	26	ft	10	in
-	16	ft	4	in

(10)

	17	yd	2	ft
+	14	yd	2	ft

(11)

	15	ft	8	in
-	5	ft	2	in

(12)

	6	ft	6	in
-	5	ft	2	in

W 31 yd 1 ft

N 14 ft 8 in

I 10 ft 6 in

L 32 yd 1 ft

V 1 ft 4 in

R 13 ft 7 in

E 30 yd

Y 23 ft 9 in

O 10 ft 6 in

T 4 yd 1 ft

H 3 ft 1 in

A 10 ft 6 in

N	O	W	H	E	R	E
1	2	3	4	5	6	5

T	H	E	Y
7	4	5	8

A	R	E
9	6	5

A	L	I	V	E
9	10	11	12	5

If a plane crashed on the US-Canadian border, where would they bury the survivors?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

33 ft 14 in
~~34~~ ft ~~2~~ in
\- 19 ft 6 in
14 ft 8 in

(2)

23 ft 9 in
\- 13 ft 3 in
10 ft 6 in

(3)

15 yd 2 ft
\+ 15 yd 2 ft
30 yd ~~4~~ ft
1 yd 1 ft
31 yd 1 ft

(4)

12 ft 1 in
\- 9 ft
3 ft 1 in

(5)

15 yd 1 ft
\+ 14 yd 2 ft
29 yd ~~3~~ ft
1 yd
30 yd

(6)

1 ft 10 in
\+ 11 ft 9 in
12 ft ~~19~~ in
1 ft 7 in
13 ft 7 in

(7)

12 yd 1 ft
\- 8 yd
4 yd 1 ft

(8)

16 ft 11 in
\+ 6 ft 10 in
22 ft ~~21~~ in
1 ft 9 in
23 ft 9 in

(9)

26 ft 10 in
\- 16 ft 4 in
10 ft 6 in

(10)

17 yd 2 ft
\+ 14 yd 2 ft
31 yd ~~4~~ ft
1 yd 1 ft
32 yd 1 ft

(11)

15 ft 8 in
\- 5 ft 2 in
10 ft 6 in

(12)

6 ft 6 in
\- 5 ft 2 in
1 ft 4 in

(W) 31 yd 1 ft

(N) 14 ft 8 in

(I) 10 ft 6 in

(L) 32 yd 1 ft

(V) 1 ft 4 in

(R) 13 ft 7 in

(E) 30 yd

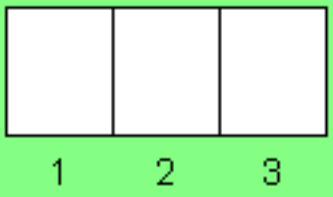
(Y) 23 ft 9 in

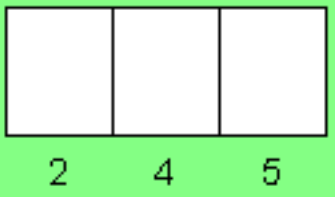
(O) 10 ft 6 in

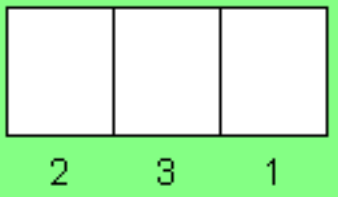
(T) 4 yd 1 ft

(H) 3 ft 1 in

(A) 10 ft 6 in







What verb becomes its past when the letters are rearranged?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{rr} & 9\ \text{yd}\ \ 1\ \text{ft} \\ - & 2\ \text{yd} \\ \hline \end{array}$$

(2)

$$\begin{array}{rr} & 11\ \text{yd}\ \ 2\ \text{ft} \\ - & 7\ \text{yd} \\ \hline \end{array}$$

(3)

$$\begin{array}{rr} & 33\ \text{ft}\ \ 8\ \text{in} \\ - & 17\ \text{ft}\ \ 5\ \text{in} \\ \hline \end{array}$$

(4)

$$\begin{array}{rr} & 30\ \text{yd} \\ - & 18\ \text{yd}\ \ 2\ \text{ft} \\ \hline \end{array}$$

(5)

$$\begin{array}{rr} & 30\ \text{ft}\ \ 10\ \text{in} \\ - & 19\ \text{ft}\ \ 7\ \text{in} \\ \hline \end{array}$$

(E) **7 yd 1 ft**

(D) **11 ft 3 in**

(A) **4 yd 2 ft**

(T) **16 ft 3 in**

(N) **11 yd 1 ft**

E	A	T
1	2	3

A	N	D
2	4	5

A	T	E
2	3	1

What verb becomes its past when the letters are rearranged?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{rr} 9\text{ yd} & 1\text{ ft} \\ -\ 2\text{ yd} & \\ \hline 7\text{ yd} & 1\text{ ft} \end{array}$$

(2)

$$\begin{array}{rr} 11\text{ yd} & 2\text{ ft} \\ -\ 7\text{ yd} & \\ \hline 4\text{ yd} & 2\text{ ft} \end{array}$$

(3)

$$\begin{array}{rr} 33\text{ ft} & 8\text{ in} \\ -\ 17\text{ ft} & 5\text{ in} \\ \hline 16\text{ ft} & 3\text{ in} \end{array}$$

(4)

$$\begin{array}{rr} 29\text{ yd} & 3\text{ ft} \\ \cancel{30}\text{ yd} & \\ -\ 18\text{ yd} & 2\text{ ft} \\ \hline 11\text{ yd} & 1\text{ ft} \end{array}$$

(5)

$$\begin{array}{rr} 30\text{ ft} & 10\text{ in} \\ -\ 19\text{ ft} & 7\text{ in} \\ \hline 11\text{ ft} & 3\text{ in} \end{array}$$

(E) **7 yd 1 ft**

(D) **11 ft 3 in**

(A) **4 yd 2 ft**

(T) **16 ft 3 in**

(N) **11 yd 1 ft**

1	2	3	4	5

6	3	7	8

2	9

6	3	7	8

How can you stand behind someone who is behind you?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

21 yd 1 ft
- 11 yd

(2)

19 yd 2 ft
- 12 yd

(3)

26 ft 3 in
- 5 ft 11 in

(4)

13 ft 7 in
- 10 ft 8 in

(5)

9 yd 2 ft
+ 20 yd 2 ft

(6)

32 yd 2 ft
- 13 yd 1 ft

(7)

13 yd 2 ft
+ 12 yd 1 ft

(8)

27 ft 4 in
- 17 ft 8 in

(9)

8 yd 1 ft
+ 18 yd 2 ft

(D) **30 yd 1 ft**

(S) **10 yd 1 ft**

(B) **19 yd 1 ft**

(T) **7 yd 2 ft**

(K) **9 ft 8 in**

(A) **20 ft 4 in**

(C) **26 yd**

(N) **2 ft 11 in**

(O) **27 yd**

S	T	A	N	D
1	2	3	4	5

B	A	C	K
6	3	7	8

T	O
2	9

B	A	C	K
6	3	7	8

How can you stand behind someone who is behind you?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

21 yd 1 ft
- 11 yd
---
10 yd 1 ft

(2)

19 yd 2 ft
- 12 yd
---
7 yd 2 ft

(3)

25 ft 15 in
~~26~~ ft ~~3~~ in
- 5 ft 11 in
---
20 ft 4 in

(4)

12 ft 19 in
~~13~~ ft ~~7~~ in
- 10 ft 8 in
---
2 ft 11 in

(5)

9 yd 2 ft
+ 20 yd 2 ft
---
29 yd ~~4~~ ft
1 yd 1 ft
---
30 yd 1 ft

(6)

32 yd 2 ft
- 13 yd 1 ft
---
19 yd 1 ft

(7)

13 yd 2 ft
+ 12 yd 1 ft
---
25 yd ~~3~~ ft
1 yd
---
26 yd

(8)

26 ft 16 in
~~27~~ ft ~~4~~ in
- 17 ft 8 in
---
9 ft 8 in

(9)

8 yd 1 ft
+ 18 yd 2 ft
---
26 yd ~~3~~ ft
1 yd
---
27 yd

(D) 30 yd 1 ft

(S) 10 yd 1 ft

(B) 19 yd 1 ft

(T) 7 yd 2 ft

(K) 9 ft 8 in

(A) 20 ft 4 in

(C) 26 yd

(N) 2 ft 11 in

(O) 27 yd

1	2	3	4	5	6	7	8	4	7	9

Five men fell out of a boat. Why did not a single man get wet?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{rrrr} & 22 & \text{ft} & 1 & \text{in} \\ - & 17 & \text{ft} & 2 & \text{in} \\ \hline \end{array}$$

(2)

$$\begin{array}{rrrr} & 13 & \text{yd} & & \\ - & 6 & \text{yd} & 2 & \text{ft} \\ \hline \end{array}$$

(3)

$$\begin{array}{rrrr} & 23 & \text{yd} & 2 & \text{ft} \\ - & 18 & \text{yd} & & \\ \hline \end{array}$$

(4)

$$\begin{array}{rrrr} & 7 & \text{ft} & 10 & \text{in} \\ + & 16 & \text{ft} & 9 & \text{in} \\ \hline \end{array}$$

(5)

$$\begin{array}{rrrr} & 6 & \text{yd} & & \\ - & 4 & \text{yd} & 2 & \text{ft} \\ \hline \end{array}$$

(6)

$$\begin{array}{rrrr} & 1 & \text{ft} & 11 & \text{in} \\ + & 19 & \text{ft} & 3 & \text{in} \\ \hline \end{array}$$

(7)

$$\begin{array}{rrrr} & 17 & \text{ft} & 5 & \text{in} \\ + & 7 & \text{ft} & 7 & \text{in} \\ \hline \end{array}$$

(8)

$$\begin{array}{rrrr} & 17 & \text{ft} & 5 & \text{in} \\ + & 7 & \text{ft} & 2 & \text{in} \\ \hline \end{array}$$

(9)

$$\begin{array}{rrrr} & 19 & \text{yd} & 1 & \text{ft} \\ + & 8 & \text{yd} & 2 & \text{ft} \\ \hline \end{array}$$

(N) **25 ft**

(T) **6 yd 1 ft**

(S) **1 yd 1 ft**

(L) **24 ft 7 in**

(O) **21 ft 2 in**

(W) **5 yd 2 ft**

(D) **28 yd**

(I) **4 ft 11 in**

(A) **24 ft 7 in**

I	T		W	A	S		O	N		L	A	N	D
1	2		3	4	5		6	7		8	4	7	9

Five men fell out of a boat. Why did not a single man get wet?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
21 ft 13 in
~~22~~ ft ~~1~~ in
- 17 ft 2 in
4 ft 11 in

(2)
12 yd 3 ft
~~13~~ yd
- 6 yd 2 ft
6 yd 1 ft

(3)
23 yd 2 ft
- 18 yd
5 yd 2 ft

(4)
7 ft 10 in
+ 16 ft 9 in
23 ft ~~19~~ in
1 ft 7 in
24 ft 7 in

(5)
5 yd 3 ft
~~6~~ yd
- 4 yd 2 ft
1 yd 1 ft

(6)
1 ft 11 in
+ 19 ft 3 in
20 ft ~~14~~ in
1 ft 2 in
21 ft 2 in

(7)
17 ft 5 in
+ 7 ft 7 in
24 ft ~~12~~ in
1 ft
25 ft

(8)
17 ft 5 in
+ 7 ft 2 in
24 ft 7 in

(9)
19 yd 1 ft
+ 8 yd 2 ft
27 yd ~~3~~ ft
1 yd
28 yd

(N) 25 ft

(T) 6 yd 1 ft

(S) 1 yd 1 ft

(L) 24 ft 7 in

(O) 21 ft 2 in

(W) 5 yd 2 ft

(D) 28 yd

(I) 4 ft 11 in

(A) 24 ft 7 in

1	2	3	4		5	3	6	3		7	8	8	
9	7	6	6	10	3	11							

Five men fell out of a boat. Why did not a single man get wet?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
16 | 330 yd 2 ft

(2)
4 | 55 ft 4 in

(3)
7 ft 9 in
x 12

(4)
14 yd 1 ft
x 5

(5)
17 | 97 ft 9 in

(6)
9 ft 7 in
x 19

(7)
2 yd 2 ft
x 5

(8)
13 | 30 ft 4 in

(9)
2 | 32 ft 10 in

(10)
18 yd 1 ft
x 11

(11)
2 | 9 ft 6 in

(M) 16 ft 5 in

(I) 201 yd 2 ft

(R) 182 ft 1 in

(T) 20 yd 2 ft

(H) 13 ft 10 in

(D) 4 ft 9 in

(A) 13 yd 1 ft

(Y) 71 yd 2 ft

(L) 2 ft 4 in

(W) 5 ft 9 in

(E) 93 ft

T	H	E	Y		W	E	R	E		A	L	L
1	2	3	4		5	3	6	3		7	8	8

M	A	R	R	I	E	D
9	7	6	6	10	3	11

Five men fell out of a boat. Why did not a single man get wet?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
$$\begin{array}{r|l} 16 & 20\text{ yd }\ 2\text{ ft} \\ & 330\text{ yd }\ 2\text{ ft} \\ & \underline{320} \\ & 10\text{ yd} = 30\text{ ft} \\ & \underline{32} \\ & 32 \\ & \underline{32} \\ & 0 \end{array}$$

(2)
$$\begin{array}{r|l} 4 & 13\text{ ft }\ 10\text{ in} \\ & 55\text{ ft }\ 4\text{ in} \\ & \underline{52} \\ & 3\text{ ft} = 36\text{ in} \\ & \underline{40} \\ & 40 \\ & \underline{40} \\ & 0 \end{array}$$

(3)
$$\begin{array}{r} 7\text{ ft }\ 9\text{ in} \\ \times\ 12 \\ \hline 84\text{ ft }\cancel{108}\text{ in} \\ 9\text{ ft} \\ \hline 93\text{ ft} \end{array}$$

(4)
$$\begin{array}{r} 14\text{ yd }\ 1\text{ ft} \\ \times\ 5 \\ \hline 70\text{ yd }\cancel{5}\text{ ft} \\ 1\text{ yd }\ 2\text{ ft} \\ \hline 71\text{ yd }\ 2\text{ ft} \end{array}$$

(5)
$$\begin{array}{r|l} 17 & 5\text{ ft }\ 9\text{ in} \\ & 97\text{ ft }\ 9\text{ in} \\ & \underline{85} \\ & 12\text{ ft} = 144\text{ in} \\ & \underline{153} \\ & 153 \\ & \underline{153} \\ & 0 \end{array}$$

(6)
$$\begin{array}{r} 9\text{ ft }\ 7\text{ in} \\ \times\ 19 \\ \hline 171\text{ ft }\cancel{133}\text{ in} \\ 11\text{ ft }\ 1\text{ in} \\ \hline 182\text{ ft }\ 1\text{ in} \end{array}$$

(7)
$$\begin{array}{r} 2\text{ yd }\ 2\text{ ft} \\ \times\ 5 \\ \hline 10\text{ yd }\cancel{10}\text{ ft} \\ 3\text{ yd }\ 1\text{ ft} \\ \hline 13\text{ yd }\ 1\text{ ft} \end{array}$$

(8)
$$\begin{array}{r|l} 13 & 2\text{ ft }\ 4\text{ in} \\ & 30\text{ ft }\ 4\text{ in} \\ & \underline{26} \\ & 4\text{ ft} = 48\text{ in} \\ & \underline{52} \\ & 52 \\ & \underline{52} \\ & 0 \end{array}$$

(9)
$$\begin{array}{r|l} 2 & 16\text{ ft }\ 5\text{ in} \\ & 32\text{ ft }\ 10\text{ in} \\ & \underline{32}\qquad\underline{10} \\ & 0\qquad\ 0 \end{array}$$

(10)
$$\begin{array}{r} 18\text{ yd }\ 1\text{ ft} \\ \times\ 11 \\ \hline 198\text{ yd }\cancel{11}\text{ ft} \\ 3\text{ yd }\ 2\text{ ft} \\ \hline 201\text{ yd }\ 2\text{ ft} \end{array}$$

(11)
$$\begin{array}{r|l} 2 & 4\text{ ft }\ 9\text{ in} \\ & 9\text{ ft }\ 6\text{ in} \\ & \underline{8} \\ & 1\text{ ft} = 12\text{ in} \\ & \underline{18} \\ & 18 \\ & \underline{18} \\ & 0 \end{array}$$

(M) 16 ft 5 in

(I) 201 yd 2 ft

(R) 182 ft 1 in

(T) 20 yd 2 ft

(H) 13 ft 10 in

(D) 4 ft 9 in

(A) 13 yd 1 ft

(Y) 71 yd 2 ft

(L) 2 ft 4 in

(W) 5 ft 9 in

(E) 93 ft

1	2	3	4	5	6	4	2

7	5	7	8	4	7	9	6	5

How many times can you subtract 2 from 10?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 3 ⟌ 61 yd 0 ft

(2) 8 ⟌ 153 ft 4 in

(3) 4 ⟌ 25 ft 0 in

(4) 18 yd 1 ft
x 15

(5) 18 ⟌ 309 ft 0 in

(6) 15 ⟌ 290 yd 0 ft

(7) 6 ⟌ 119 ft 6 in

(8) 11 ⟌ 47 yd 2 ft

(9) 6 ⟌ 7 ft 0 in

(S) 4 yd 1 ft

(C) 6 ft 3 in

(G) 1 ft 2 in

(E) 275 yd

(T) 17 ft 2 in

(I) 19 ft 11 in

(O) 20 yd 1 ft

(N) 19 ft 2 in

(H) 19 yd 1 ft

O	N	C	E
1	2	3	4

T	H	E	N
5	6	4	2

I	T
7	5

I	S
7	8

E	I	G	H	T
4	7	9	6	5

How many times can you subtract 2 from 10?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 61 yd 0 ft ÷ 3 = 20 yd 1 ft
60; 1 yd = 3 ft; 3; 3; 0

(2) 153 ft 4 in ÷ 8 = 19 ft 2 in
152; 1 ft = 12 in; 16; 16; 0

(3) 25 ft 0 in ÷ 4 = 6 ft 3 in
24; 1 ft = 12 in; 12; 12; 0

(4) 18 yd 1 ft × 15
270 yd ~~15~~ ft
5 yd
275 yd

(5) 309 ft 0 in ÷ 18 = 17 ft 2 in
306; 3 ft = 36 in; 36; 36; 0

(6) 290 yd 0 ft ÷ 15 = 19 yd 1 ft
285; 5 yd = 15 ft; 15; 15; 0

(7) 119 ft 6 in ÷ 6 = 19 ft 11 in
114; 5 ft = 60 in; 66; 66; 0

(8) 47 yd 2 ft ÷ 11 = 4 yd 1 ft
44; 3 yd = 9 ft; 11; 11; 0

(9) 7 ft 0 in ÷ 6 = 1 ft 2 in
6; 1 ft = 12 in; 12; 12; 0

(S) 4 yd 1 ft

(C) 6 ft 3 in

(G) 1 ft 2 in

(E) 275 yd

(T) 17 ft 2 in

(I) 19 ft 11 in

(O) 20 yd 1 ft

(N) 19 ft 2 in

(H) 19 yd 1 ft

1		2	1	3	4		5	6	3	3	1	7

What can double in value when half is deducted?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

11 ⟌ 80 yd 2 ft

(2)

13 ft 11 in
x 17

(3)

10 ⟌ 205 ft 10 in

(4)

7 ft 2 in
x 2

(5)

15 ⟌ 206 ft 3 in

(6)

3 yd 2 ft
x 20

(7)

16 ⟌ 218 yd 2 ft

F 14 ft 4 in

D 13 ft 9 in

A 7 yd 1 ft

H 236 ft 7 in

R 13 yd 2 ft

O 73 yd 1 ft

L 20 ft 7 in

A	H	A	L	F	D	O	L	L	A	R
1	2	1	3	4	5	6	3	3	1	7

What can double in value when half is deducted?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
11 | 80 yd 2 ft
77
3 yd = 9 ft
11
11
0

(2)
13 ft 11 in
x 17
221 ft ~~187~~ in
15 ft 7 in
236 ft 7 in

(3)
10 | 205 ft 10 in
200
5 ft = 60 in
70
70
0

(F) 14 ft 4 in

(D) 13 ft 9 in

(A) 7 yd 1 ft

(H) 236 ft 7 in

(4)
7 ft 2 in
x 2
14 ft 4 in

(5)
15 | 206 ft 3 in
195
11 ft = 132 in
135
135
0

(6)
3 yd 2 ft
x 20
60 yd ~~40~~ ft
13 yd 1 ft
73 yd 1 ft

(R) 13 yd 2 ft

(O) 73 yd 1 ft

(L) 20 ft 7 in

(7)
16 | 218 yd 2 ft
208
10 yd = 30 ft
32
32
0

1	2	3	4	1	5

6	7	8	9

10	3	4	1	11

What is the difference between a new penny and an old quarter?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

15 ft 3 in
x 16

(2)

13 ft 2 in
x 13

(3)

11 yd 2 ft
x 11

(4)

8 yd 2 ft
x 16

(5)

16 | 296 ft 0 in

(6)

15 | 203 ft 9 in

(7)

16 ft 10 in
x 16

(8)

1 ft 9 in
x 10

(9)

11 | 168 yd 2 ft

(10)

13 yd 2 ft
x 3

(11)

4 ft 3 in
x 11

(O) 269 ft 4 in

(R) 15 yd 1 ft

(F) 13 ft 7 in

(T) 244 ft

(C) 41 yd

(W) 171 ft 2 in

(N) 138 yd 2 ft

(E) 128 yd 1 ft

(S) 46 ft 9 in

(U) 17 ft 6 in

(Y) 18 ft 6 in

T	W	E	N	T	Y
1	2	3	4	1	5

F	O	U	R
6	7	8	9

C	E	N	T	S
10	3	4	1	11

What is the difference between a new penny and an old quarter?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

15 ft 3 in
x 16
240 ft ~~48~~ in
4 ft
244 ft

(2)

13 ft 2 in
x 13
169 ft ~~26~~ in
2 ft 2 in
171 ft 2 in

(3)

11 yd 2 ft
x 11
121 yd ~~22~~ ft
7 yd 1 ft
128 yd 1 ft

(4)

8 yd 2 ft
x 16
128 yd ~~32~~ ft
10 yd 2 ft
138 yd 2 ft

(5)

16 | 296 ft 0 in
288
8 ft = 96 in
96
96
0
18 ft 6 in

(6)

15 | 203 ft 9 in
195
8 ft = 96 in
105
105
0
13 ft 7 in

(7)

16 ft 10 in
x 16
256 ft ~~160~~ in
13 ft 4 in
269 ft 4 in

(8)

1 ft 9 in
x 10
10 ft ~~90~~ in
7 ft 6 in
17 ft 6 in

(9)

11 | 168 yd 2 ft
165
3 yd = 9 ft
11
11
0
15 yd 1 ft

(10)

13 yd 2 ft
x 3
39 yd ~~6~~ ft
2 yd
41 yd

(11)

4 ft 3 in
x 11
44 ft ~~33~~ in
2 ft 9 in
46 ft 9 in

(O) 269 ft 4 in

(R) 15 yd 1 ft

(F) 13 ft 7 in

(T) 244 ft

(C) 41 yd

(W) 171 ft 2 in

(N) 138 yd 2 ft

(E) 128 yd 1 ft

(S) 46 ft 9 in

(U) 17 ft 6 in

(Y) 18 ft 6 in

1	2	1	3	1	4	5	6	1	7	8

Where can you buy a ruler that is three feet long?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
$$12 \overline{)\ 201\text{ ft}\quad 0\text{ in}}$$

(2)
$$17 \overline{)\ 26\text{ ft}\quad 11\text{ in}}$$

(3)
$$3 \overline{)\ 22\text{ ft}\quad 0\text{ in}}$$

(4)
$$20 \overline{)\ 283\text{ ft}\quad 4\text{ in}}$$

(5)
$$\begin{array}{r} 5\text{ yd}\quad 1\text{ ft} \\ \times\quad 14 \\ \hline \end{array}$$

(6)
$$18 \overline{)\ 147\text{ ft}\quad 0\text{ in}}$$

(7)
$$\begin{array}{r} 12\text{ ft}\quad 10\text{ in} \\ \times\quad 2 \\ \hline \end{array}$$

(8)
$$4 \overline{)\ 11\text{ ft}\quad 8\text{ in}}$$

(E) **2 ft 11 in**

(A) **16 ft 9 in**

(L) **25 ft 8 in**

(D) **74 yd 2 ft**

(T) **1 ft 7 in**

(S) **8 ft 2 in**

(Y) **7 ft 4 in**

(R) **14 ft 2 in**

A	T		A		Y	A	R	D		S	A	L	E
1	2		1		3	1	4	5		6	1	7	8

Where can you buy a ruler that is three feet long?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

```
          16 ft     9 in
12 ⟌ 201 ft     0 in
      192
        9 ft = 108 in
               108
               108
                 0
```

(2)

```
           1 ft     7 in
17 ⟌ 26 ft    11 in
      17
       9 ft = 108 in
              119
              119
                0
```

(3)

```
          7 ft     4 in
3 ⟌ 22 ft     0 in
     21
      1 ft =  12 in
              12
              12
               0
```

(4)

```
          14 ft     2 in
20 ⟌ 283 ft     4 in
      280
        3 ft =  36 in
                40
                40
                 0
```

(5)

```
     5 yd   1 ft
x   14
-----------------
    70 yd  14 ft   (14 struck through)
     4 yd   2 ft
-----------------
    74 yd   2 ft
```

(6)

```
           8 ft     2 in
18 ⟌ 147 ft     0 in
      144
        3 ft =  36 in
                36
                36
                 0
```

(7)

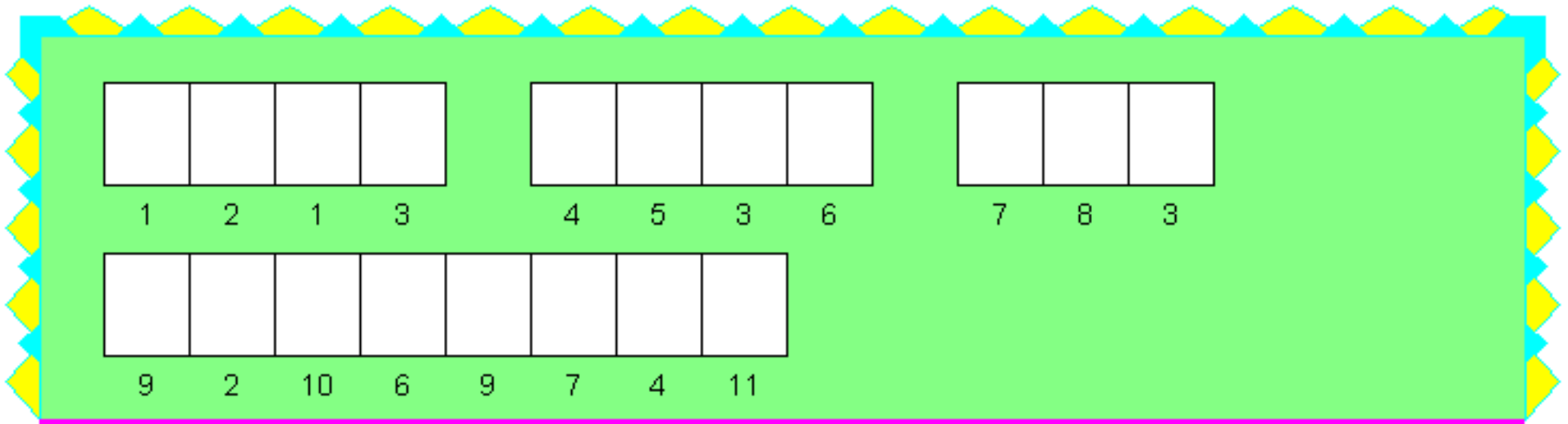
```
    12 ft  10 in
x    2
-----------------
    24 ft  20 in   (20 struck through)
     1 ft   8 in
-----------------
    25 ft   8 in
```

(8)

```
         2 ft    11 in
4 ⟌ 11 ft     8 in
     8
     3 ft =  36 in
             44
             44
              0
```

Solutions:

- (E) 2 ft 11 in
- (A) 16 ft 9 in
- (L) 25 ft 8 in
- (D) 74 yd 2 ft
- (T) 1 ft 7 in
- (S) 8 ft 2 in
- (Y) 7 ft 4 in
- (R) 14 ft 2 in

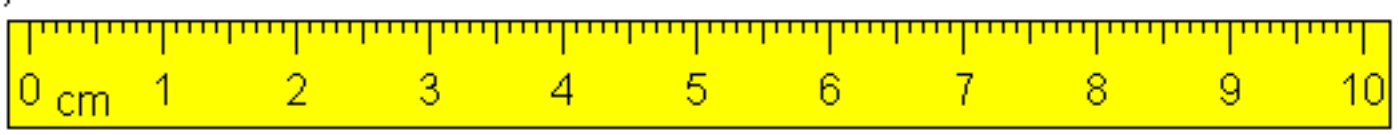


If there are 9 cats on a bridge and one jumped off, how many are left?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

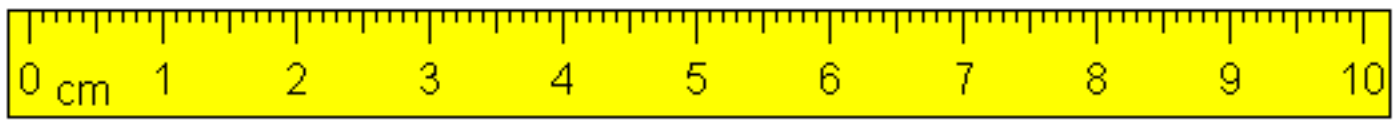


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)

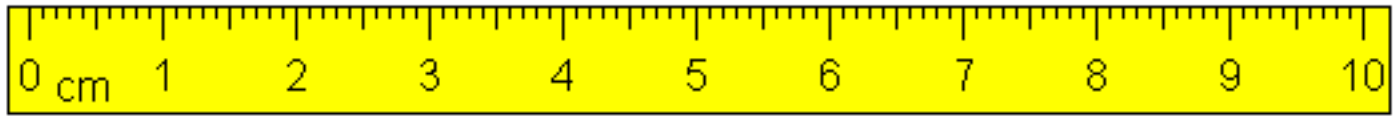


(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)
(8)
(9)

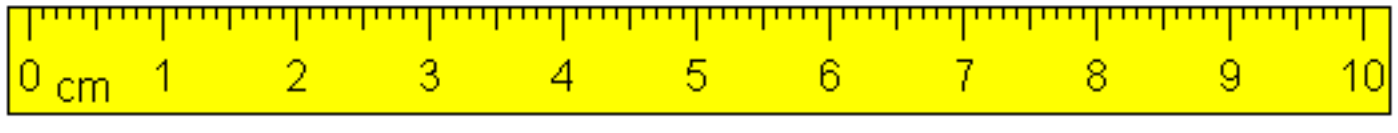


(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____

(10)
(11)



(10) What is the length of bar 10: _____

(11) What is the length of bar 11: _____

(A) 69 mm

(C) 5 cm 3 mm

(E) 5 cm 2 mm

(H) 3.6 cm

(Y) 6 cm 2 mm

(S) 16 mm

(N) 5.4 cm

(P) 5.8 cm

(T) 7 cm 5 mm

(R) 90 mm

(O) 6.5 cm

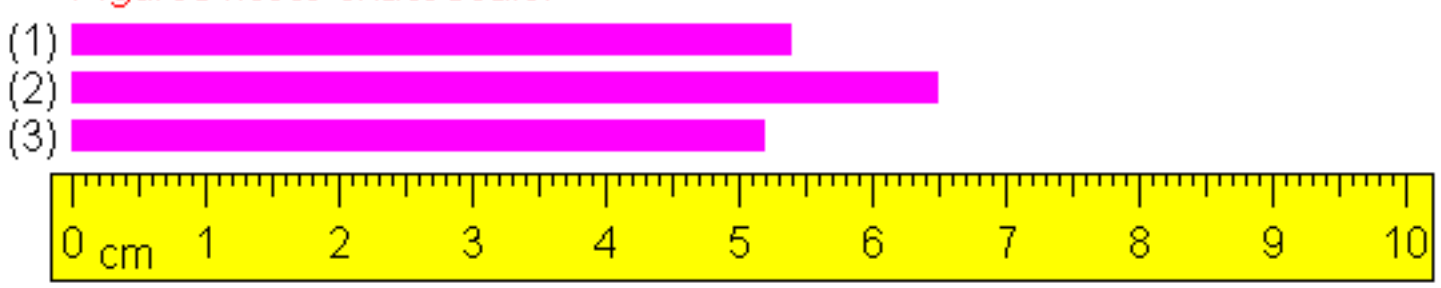
N	O	N	E		T	H	E	Y		A	R	E
1	2	1	3		4	5	3	6		7	8	3

C	O	P	Y	C	A	T	S
9	2	10	6	9	7	4	11

If there are 9 cats on a bridge and one jumped off, how many are left?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

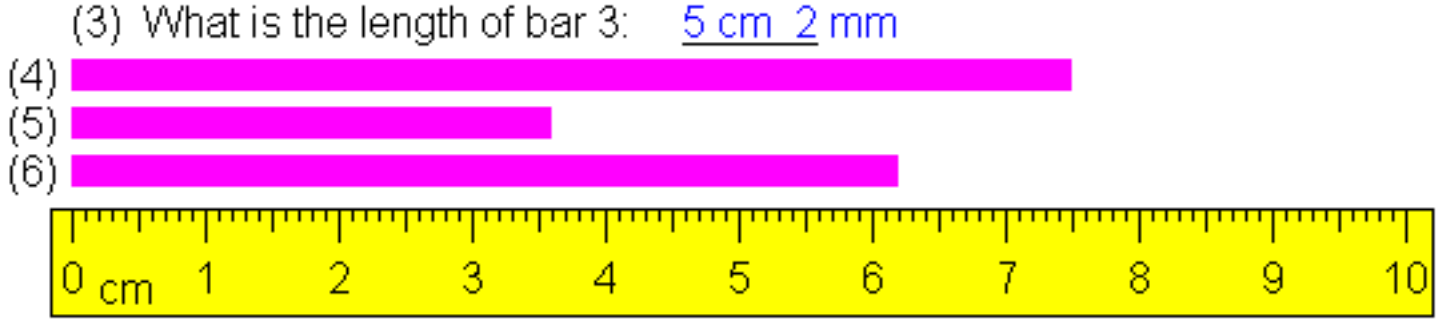
Figures not to exact scale:



(1) What is the length of bar 1: 5.4 cm

(2) What is the length of bar 2: 6.5 cm

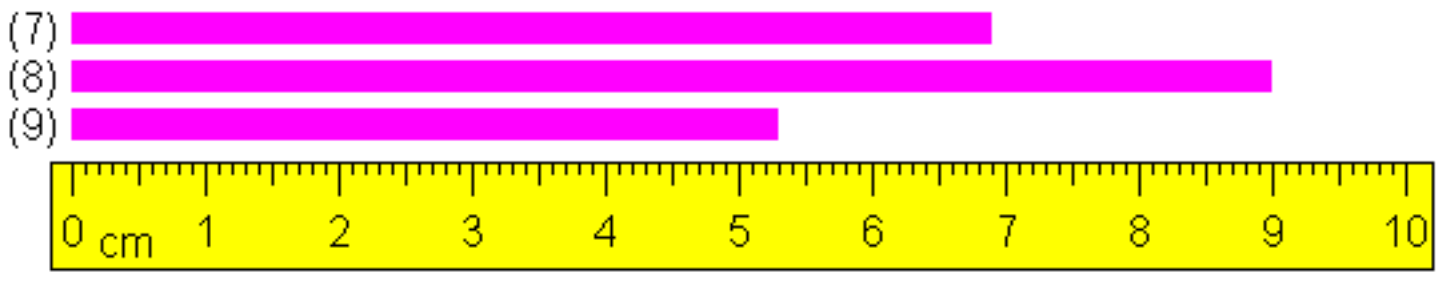
(3) What is the length of bar 3: 5 cm 2 mm



(4) What is the length of bar 4: 7 cm 5 mm

(5) What is the length of bar 5: 3.6 cm

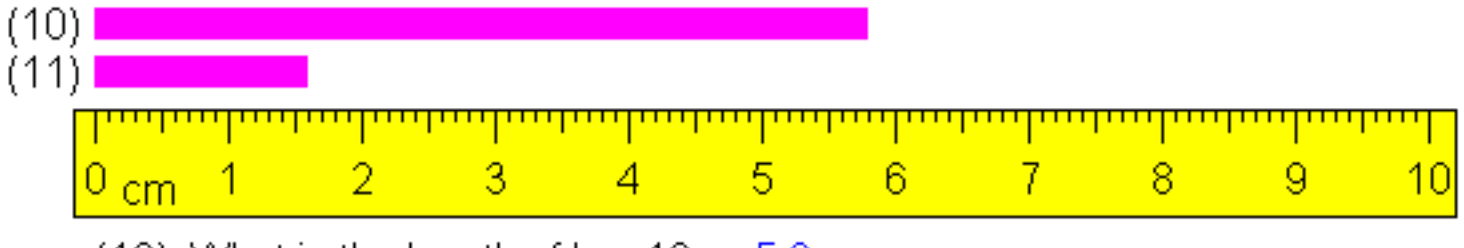
(6) What is the length of bar 6: 6 cm 2 mm



(7) What is the length of bar 7: 69 mm

(8) What is the length of bar 8: 90 mm

(9) What is the length of bar 9: 5 cm 3 mm



(10) What is the length of bar 10: 5.8 cm

(11) What is the length of bar 11: 16 mm

(A) 69 mm

(C) 5 cm 3 mm

(E) 5 cm 2 mm

(H) 3.6 cm

(Y) 6 cm 2 mm

(S) 16 mm

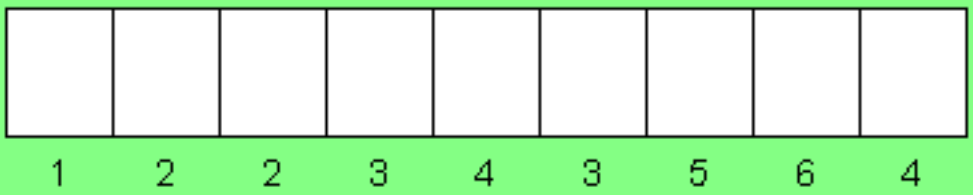
(N) 5.4 cm

(P) 5.8 cm

(T) 7 cm 5 mm

(R) 90 mm

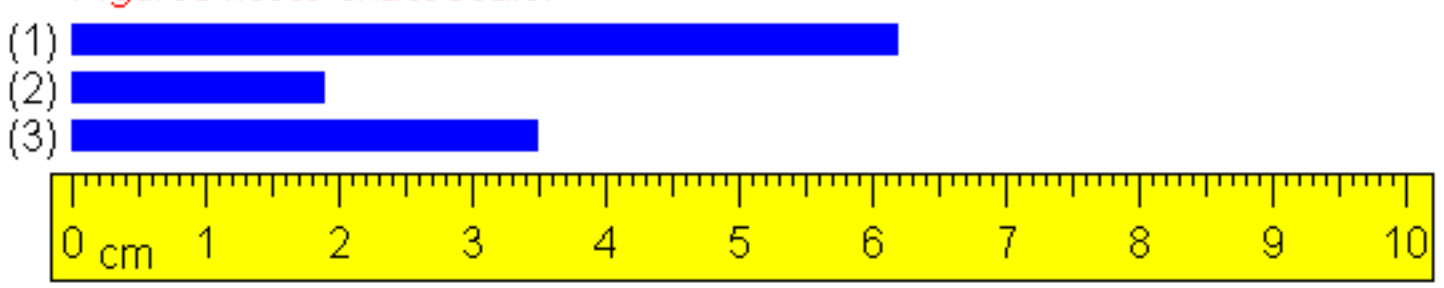
(O) 6.5 cm



What is it the more you take, the more is left behind?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

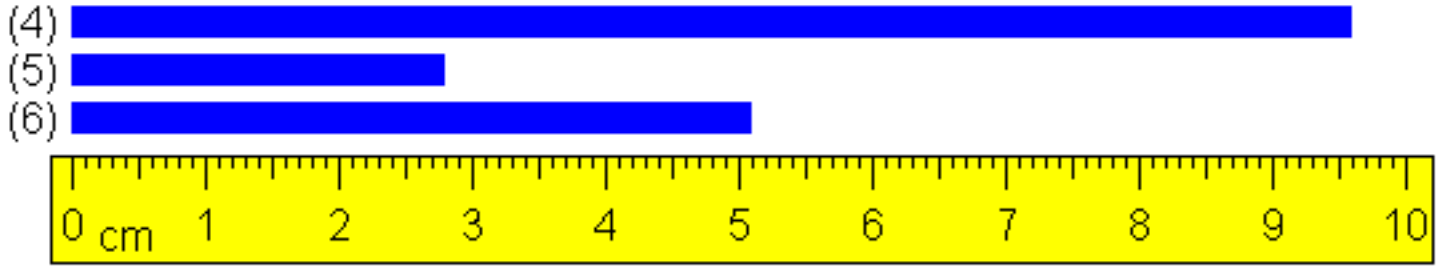
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(S) 96 mm

(E) 2.8 cm

(P) 5.1 cm

(T) 3 cm 5 mm

(F) 62 mm

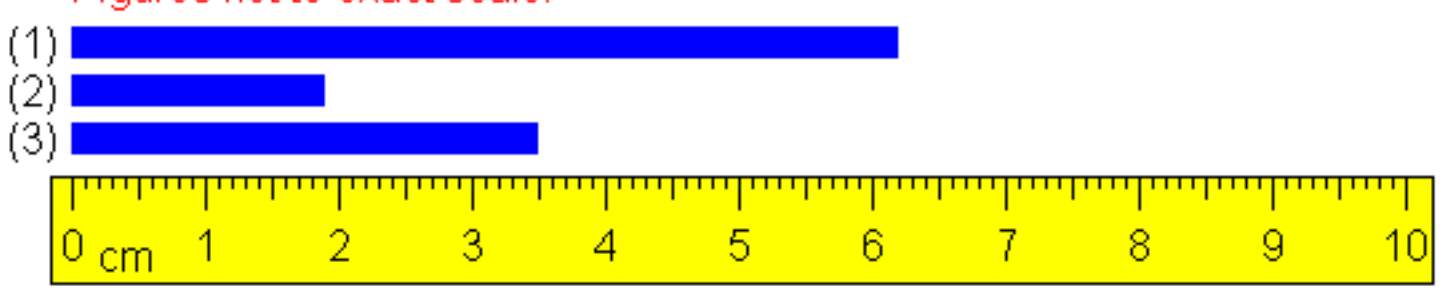
(O) 1.9 cm

F	O	O	T	S	T	E	P	S
1	2	2	3	4	3	5	6	4

What is it the more you take, the more is left behind?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

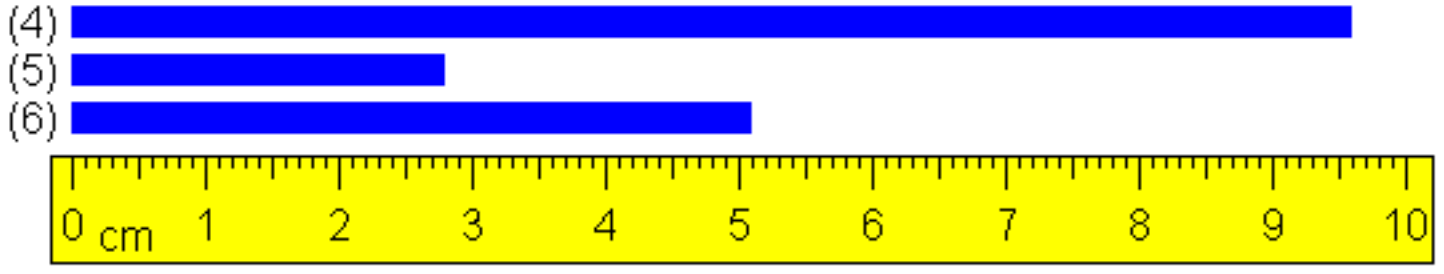
Figures not to exact scale:



(1) What is the length of bar 1: 62 mm

(2) What is the length of bar 2: 1.9 cm

(3) What is the length of bar 3: 3 cm 5 mm



(4) What is the length of bar 4: 96 mm

(5) What is the length of bar 5: 2.8 cm

(6) What is the length of bar 6: 5.1 cm

(S) 96 mm

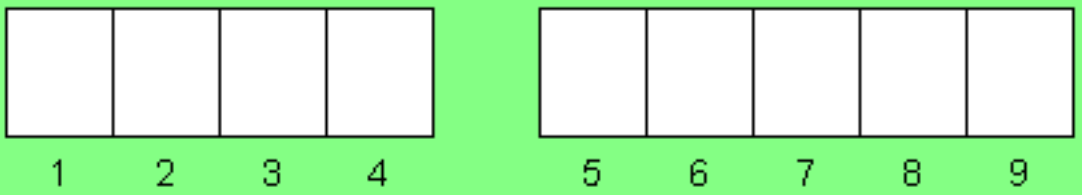
(E) 2.8 cm

(P) 5.1 cm

(T) 3 cm 5 mm

(F) 62 mm

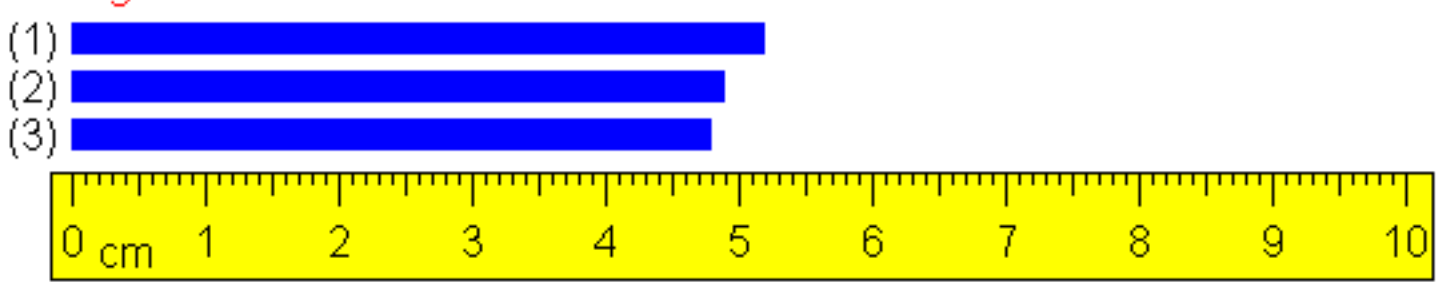
(O) 1.9 cm



What do you use to hoe a row, slay a foe, and wring with woe?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

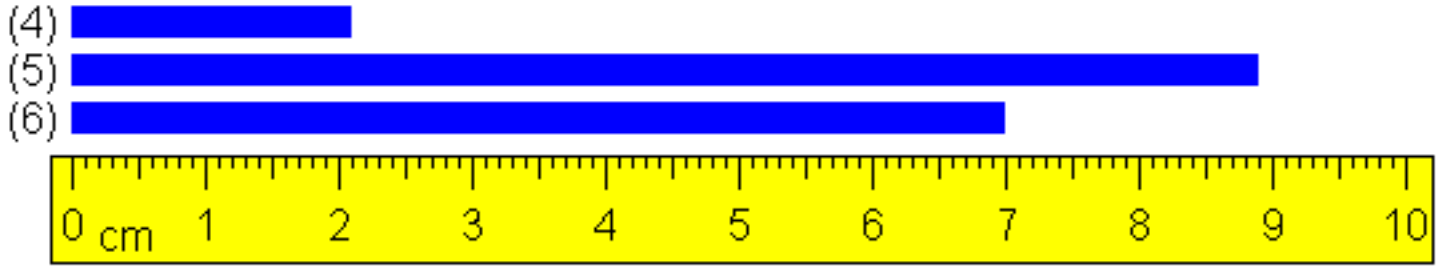
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

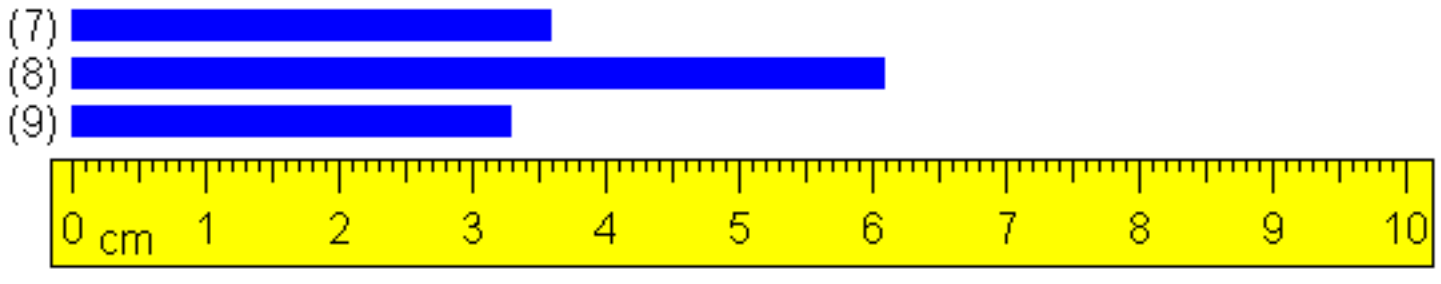
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____

(D) 6 cm 1 mm

(A) 7 cm

(H) 8 cm 9 mm

(U) 4 cm 8 mm

(Y) 5 cm 2 mm

(N) 36 mm

(R) 2 cm 1 mm

(O) 49 mm

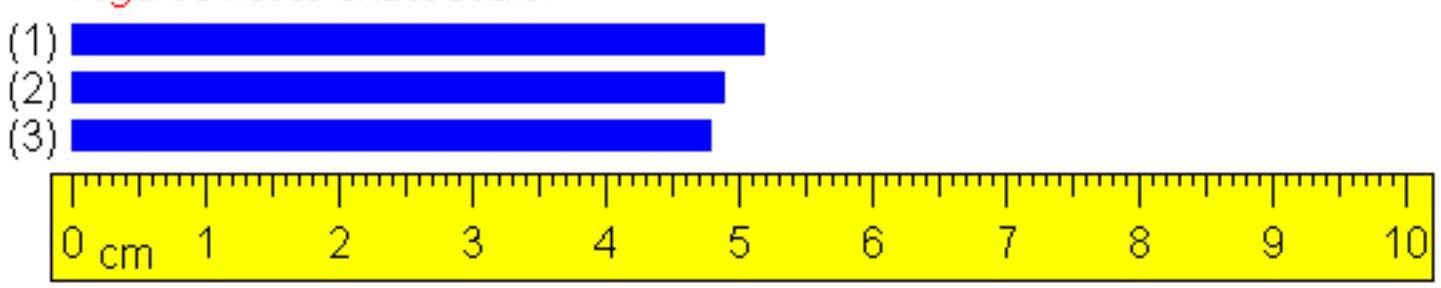
(S) 3.3 cm

Y	O	U	R		H	A	N	D	S
1	2	3	4		5	6	7	8	9

What do you use to hoe a row, slay a foe, and wring with woe?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

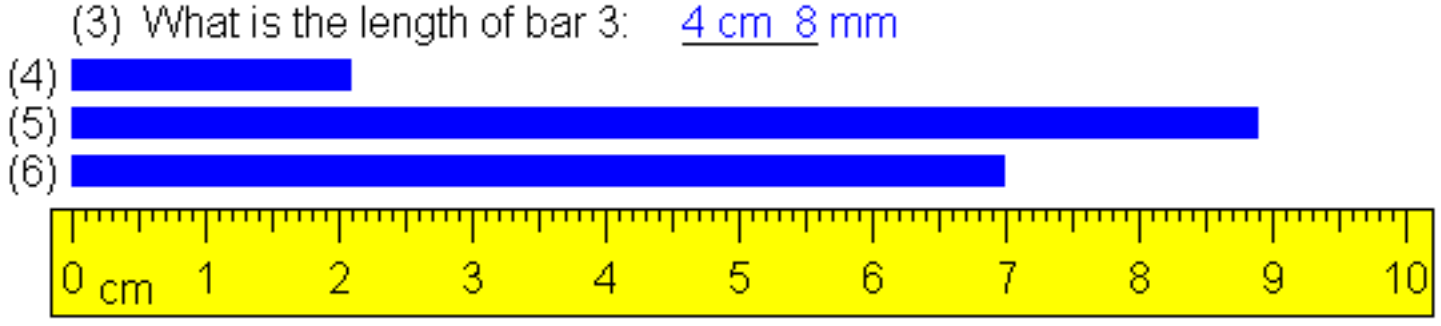
Figures not to exact scale:



(1) What is the length of bar 1: 5 cm 2 mm

(2) What is the length of bar 2: 49 mm

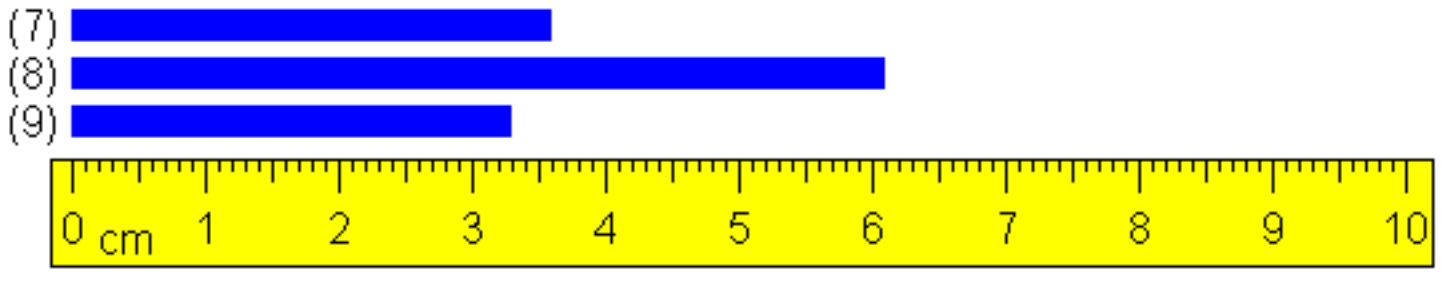
(3) What is the length of bar 3: 4 cm 8 mm



(4) What is the length of bar 4: 2 cm 1 mm

(5) What is the length of bar 5: 8 cm 9 mm

(6) What is the length of bar 6: 7 cm



(7) What is the length of bar 7: 36 mm

(8) What is the length of bar 8: 6 cm 1 mm

(9) What is the length of bar 9: 3.3 cm

(D) 6 cm 1 mm

(A) 7 cm

(H) 8 cm 9 mm

(U) 4 cm 8 mm

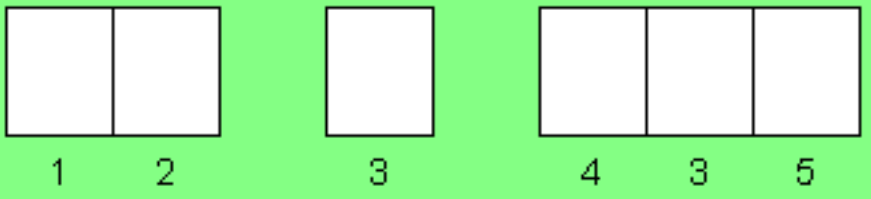
(Y) 5 cm 2 mm

(N) 36 mm

(R) 2 cm 1 mm

(O) 49 mm

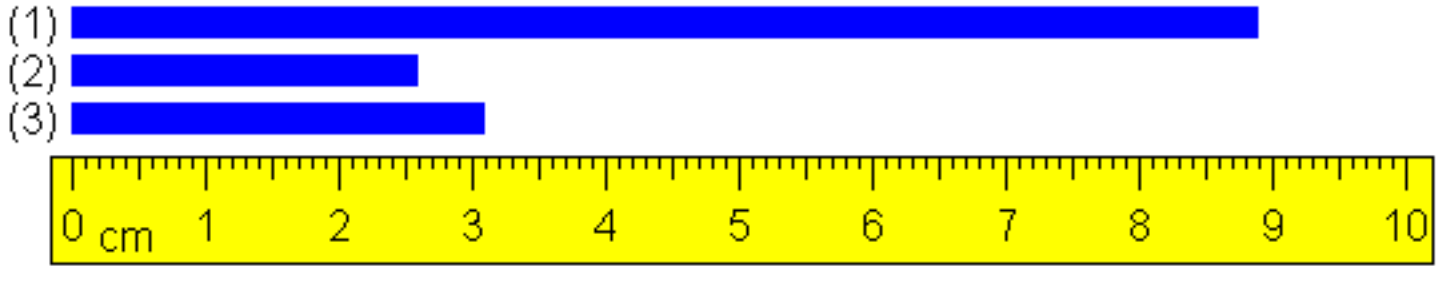
(S) 3.3 cm



Where can you find roads without cars?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

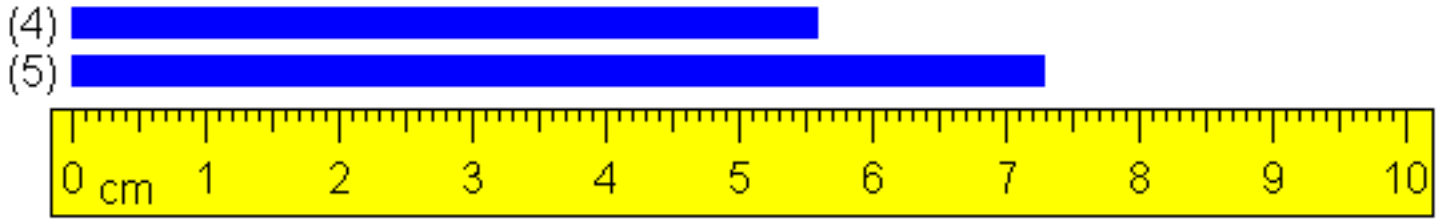
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

Ⓜ 5.6 cm

Ⓐ 3 cm 1 mm

Ⓞ 8 cm 9 mm

Ⓟ 7 cm 3 mm

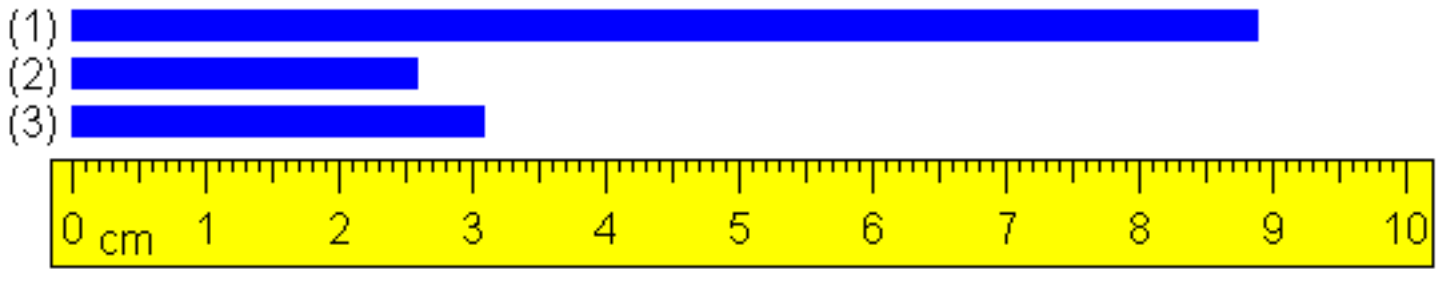
Ⓝ 2.6 cm

O	N		A		M	A	P
1	2		3		4	3	5

Where can you find roads without cars?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

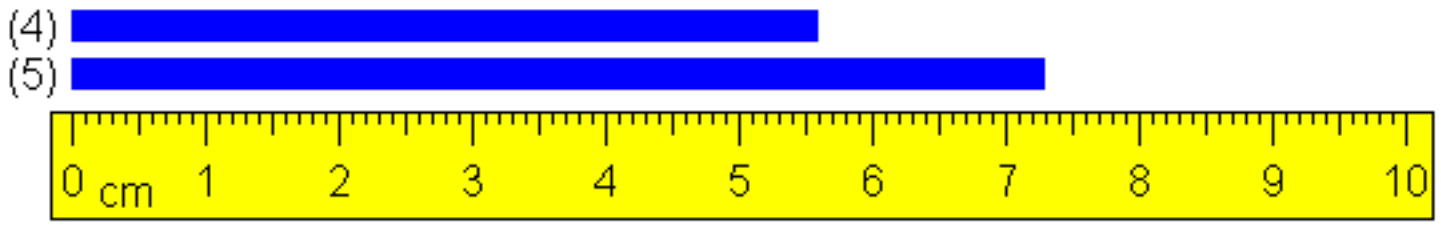
Figures not to exact scale:



(1) What is the length of bar 1: 8 cm 9 mm

(2) What is the length of bar 2: 2.6 cm

(3) What is the length of bar 3: 3 cm 1 mm



(4) What is the length of bar 4: 5.6 cm

(5) What is the length of bar 5: 7 cm 3 mm

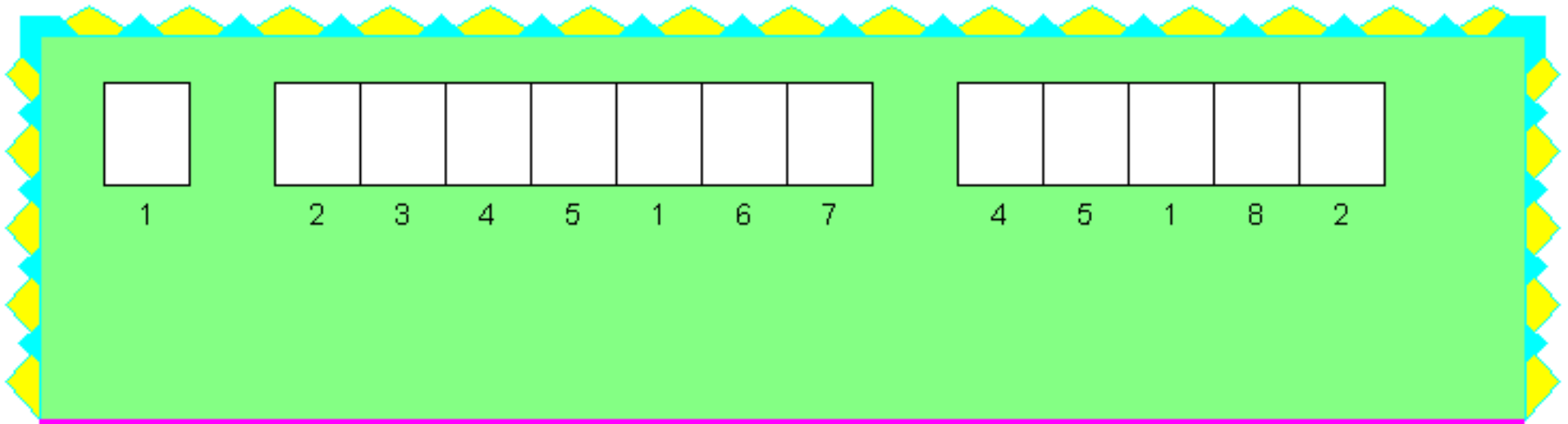
(M) 5.6 cm

(A) 3 cm 1 mm

(O) 8 cm 9 mm

(P) 7 cm 3 mm

(N) 2.6 cm

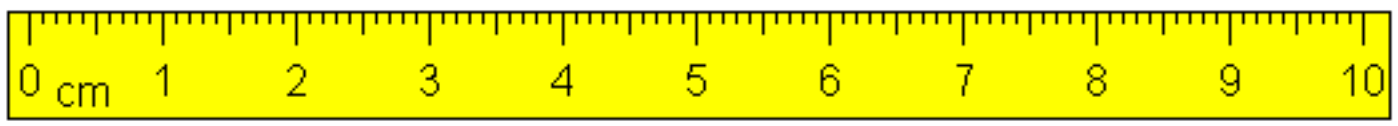


What goes around the world and stays in a corner?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

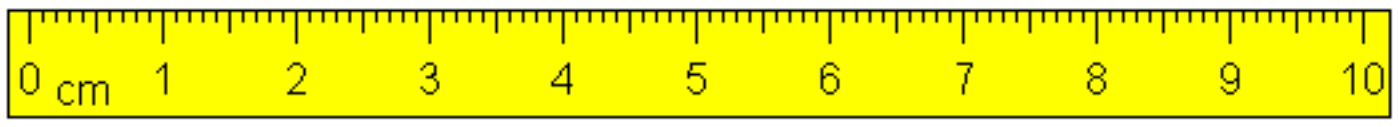


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)

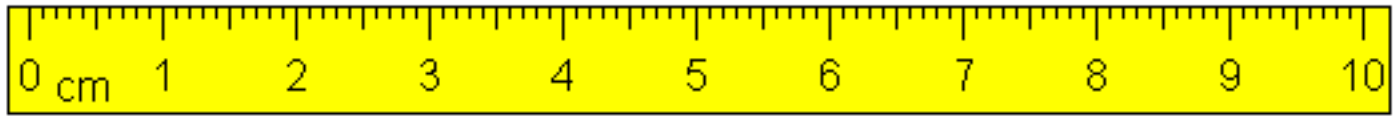


(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)
(8)



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(G) 8.4 cm

(P) 6 cm

(M) 2 cm 3 mm

(A) 54 mm

(E) 70 mm

(T) 31 mm

(O) 39 mm

(S) 49 mm

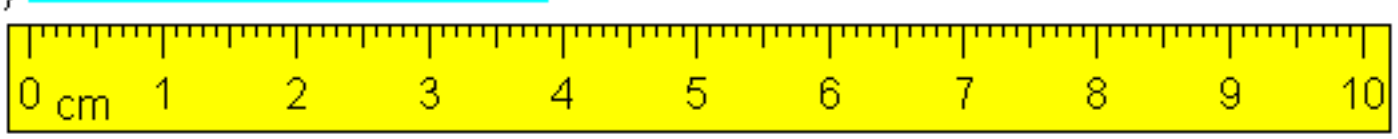
A	P	O	S	T	A	G	E	S	T	A	M	P
1	2	3	4	5	1	6	7	4	5	1	8	2

What goes around the world and stays in a corner?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

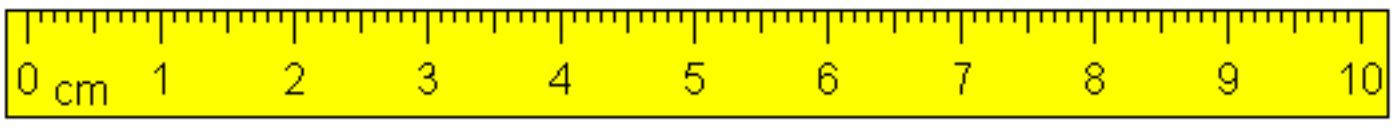
Figures not to exact scale:

(1)
(2)
(3)



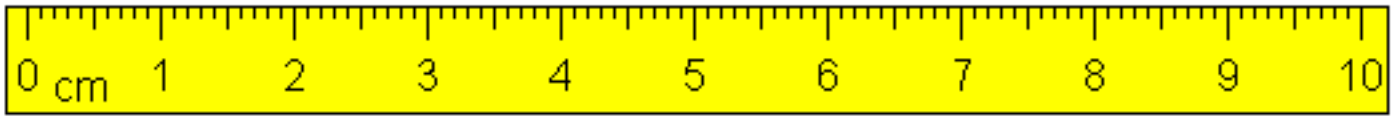
(1) What is the length of bar 1: 54 mm
(2) What is the length of bar 2: 6 cm
(3) What is the length of bar 3: 39 mm

(4)
(5)
(6)



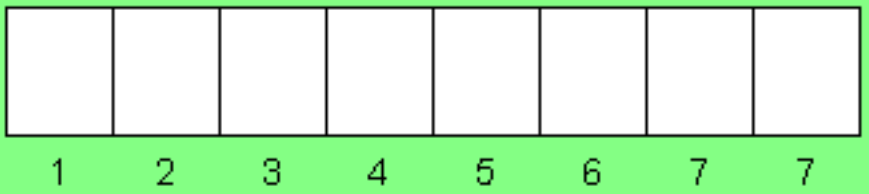
(4) What is the length of bar 4: 49 mm
(5) What is the length of bar 5: 31 mm
(6) What is the length of bar 6: 8.4 cm

(7)
(8)



(7) What is the length of bar 7: 70 mm
(8) What is the length of bar 8: 2 cm 3 mm

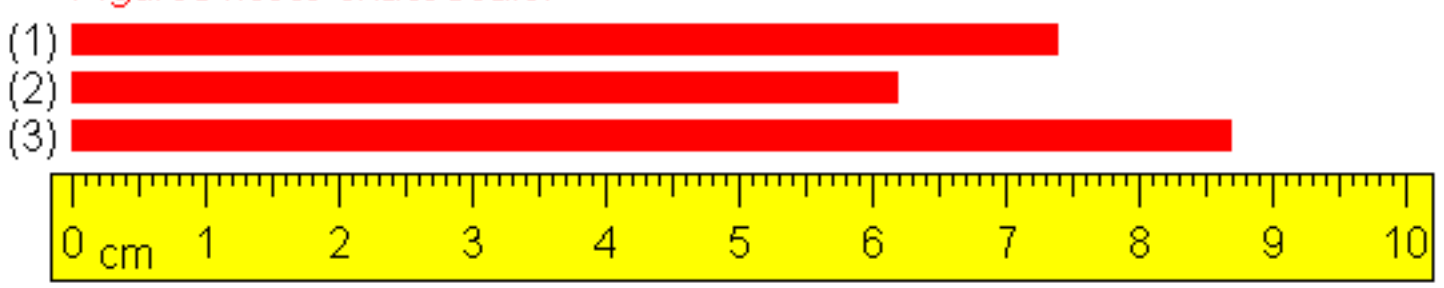
(G) 8.4 cm
(P) 6 cm
(M) 2 cm 3 mm
(A) 54 mm
(E) 70 mm
(T) 31 mm
(O) 39 mm
(S) 49 mm



The more there is, the less you see. What is it?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

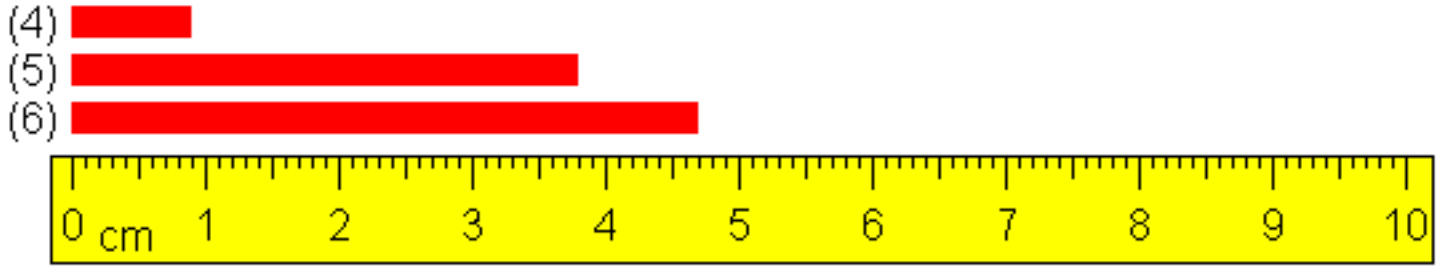
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

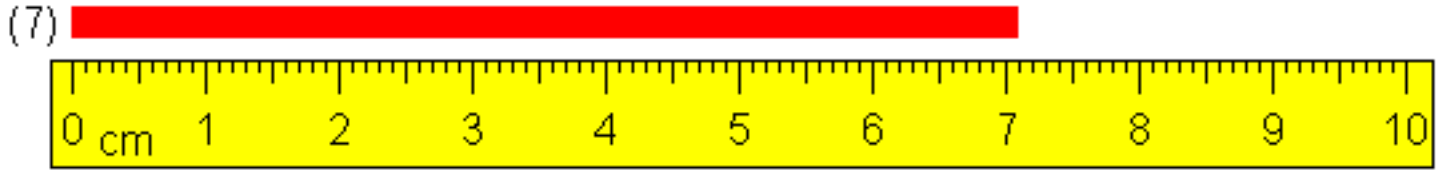
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(A) 6 cm 2 mm

(R) 8.7 cm

(N) 3.8 cm

(E) 47 mm

(D) 74 mm

(K) 9 mm

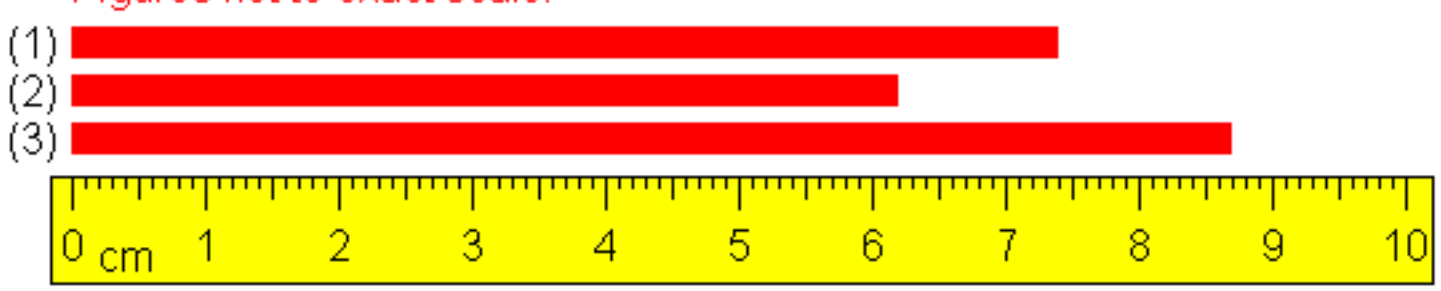
(S) 71 mm

D	A	R	K	N	E	S	S
1	2	3	4	5	6	7	7

The more there is, the less you see. What is it?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

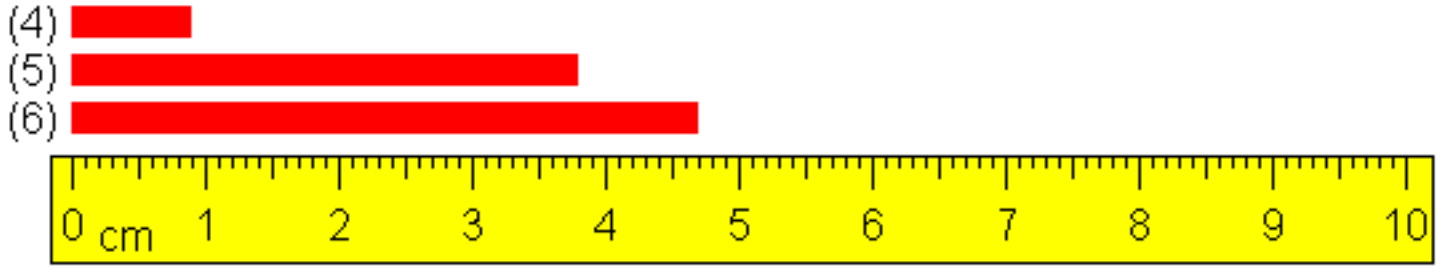
Figures not to exact scale:



(1) What is the length of bar 1: 74 mm

(2) What is the length of bar 2: 6 cm 2 mm

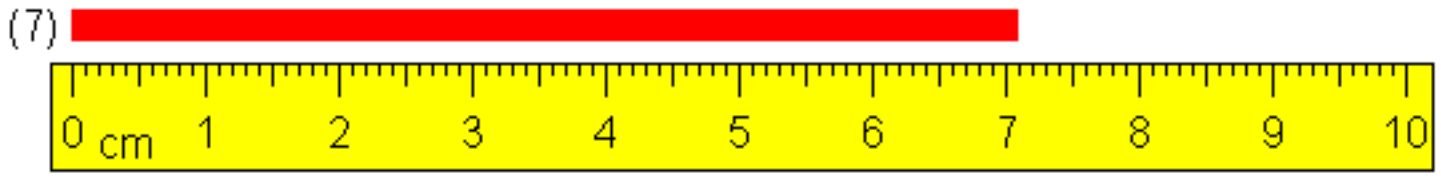
(3) What is the length of bar 3: 8.7 cm



(4) What is the length of bar 4: 9 mm

(5) What is the length of bar 5: 3.8 cm

(6) What is the length of bar 6: 47 mm



(7) What is the length of bar 7: 71 mm

(A) 6 cm 2 mm

(R) 8.7 cm

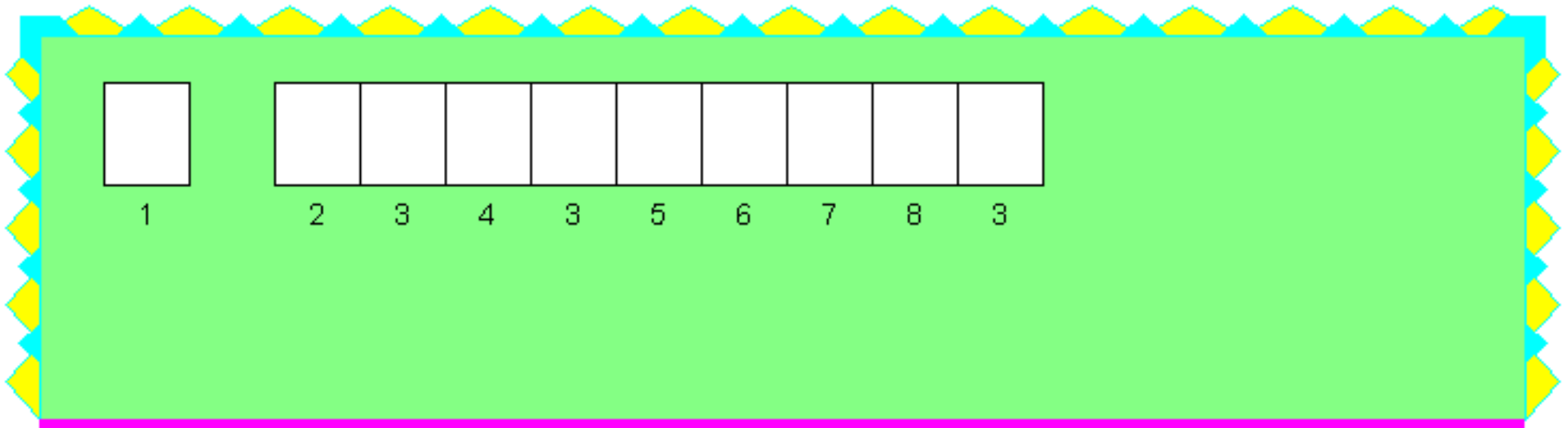
(N) 3.8 cm

(E) 47 mm

(D) 74 mm

(K) 9 mm

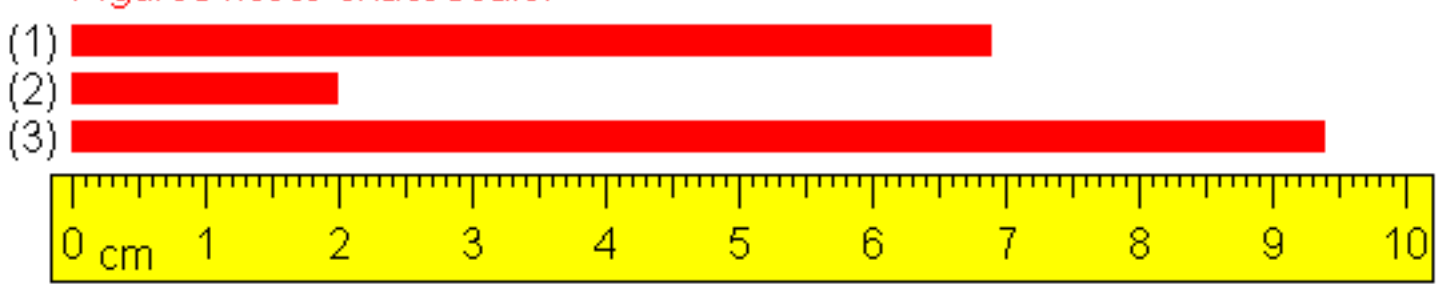
(S) 71 mm



What demands an answer but asks no question?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

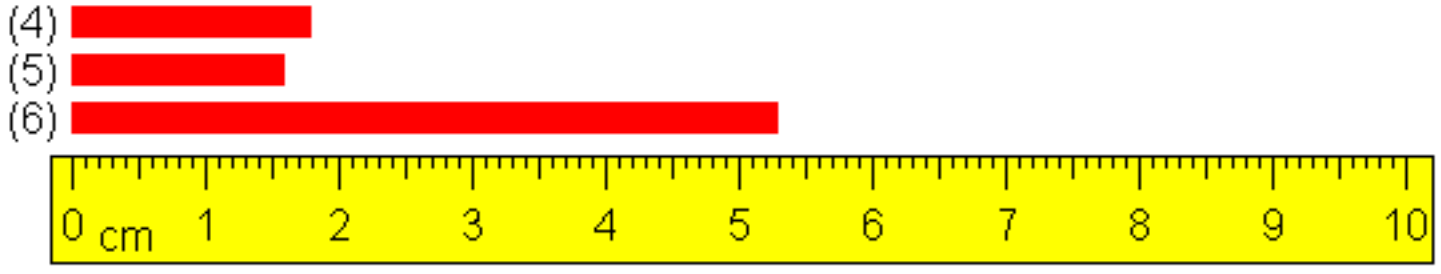
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

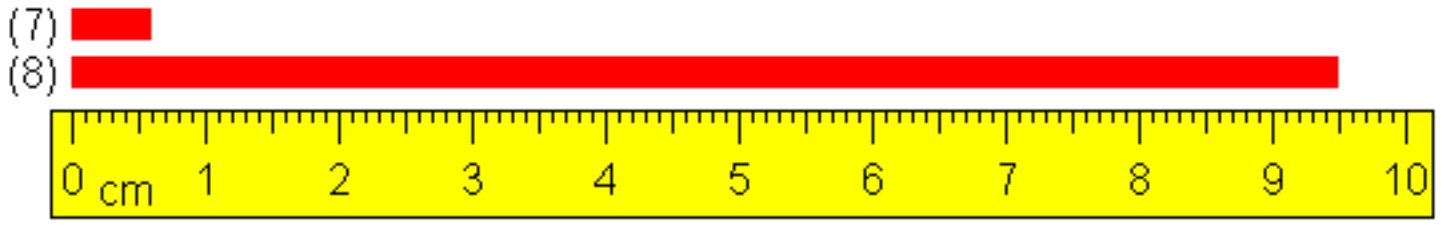
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(P) 1.6 cm

(H) 5 cm 3 mm

(E) 94 mm

(N) 9.5 cm

(A) 6 cm 9 mm

(L) 1 cm 8 mm

(O) 6 mm

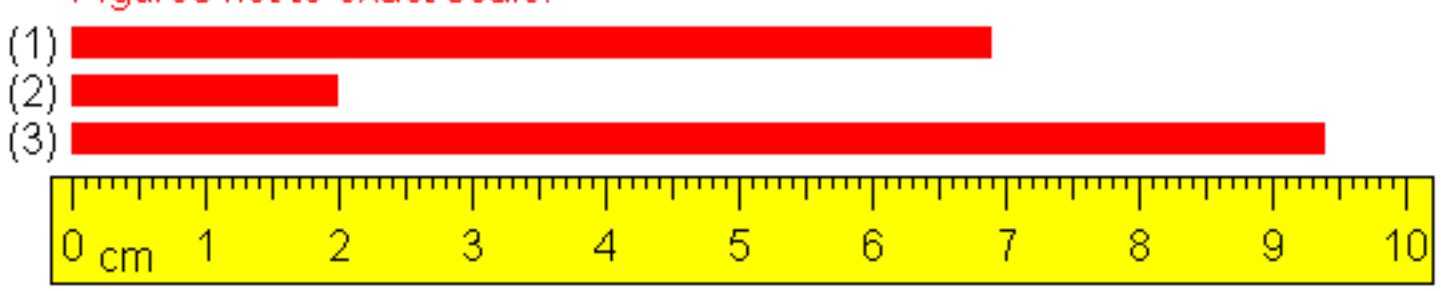
(T) 20 mm

A	T	E	L	E	P	H	O	N	E
1	2	3	4	3	5	6	7	8	3

What demands an answer but asks no question?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

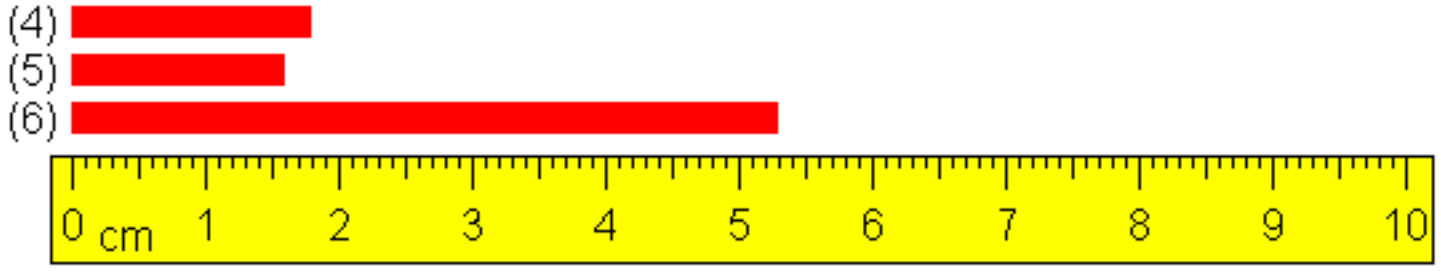
Figures not to exact scale:



(1) What is the length of bar 1: 6 cm 9 mm

(2) What is the length of bar 2: 20 mm

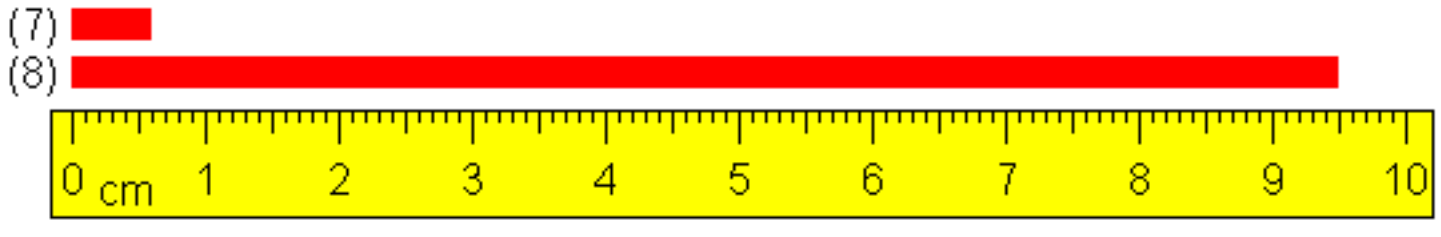
(3) What is the length of bar 3: 94 mm



(4) What is the length of bar 4: 1 cm 8 mm

(5) What is the length of bar 5: 1.6 cm

(6) What is the length of bar 6: 5 cm 3 mm



(7) What is the length of bar 7: 6 mm

(8) What is the length of bar 8: 9.5 cm

(P) 1.6 cm

(H) 5 cm 3 mm

(E) 94 mm

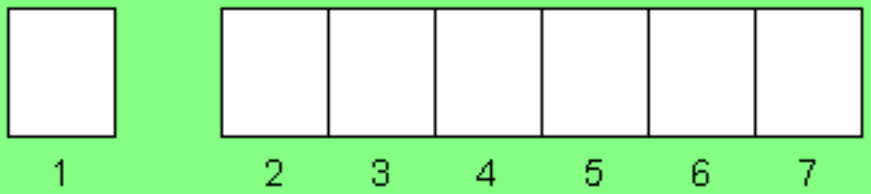
(N) 9.5 cm

(A) 6 cm 9 mm

(L) 1 cm 8 mm

(O) 6 mm

(T) 20 mm

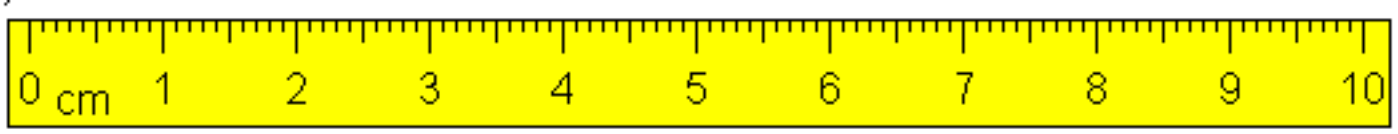


What has holes all around but still can hold water?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

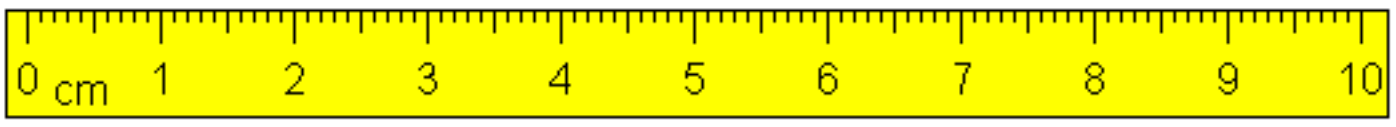


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)

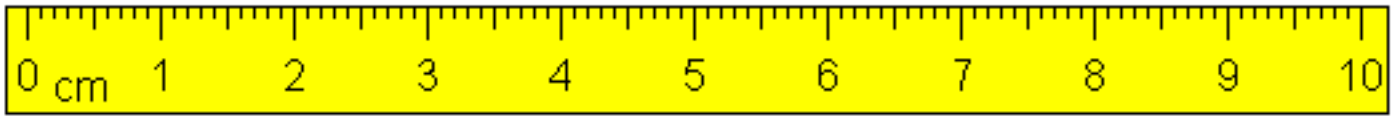


(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)



(7) What is the length of bar 7: _____

(E) .9 cm

(P) 90 mm

(N) 8 cm 7 mm

(G) 24 mm

(S) 7.4 cm

(O) 45 mm

(A) 54 mm

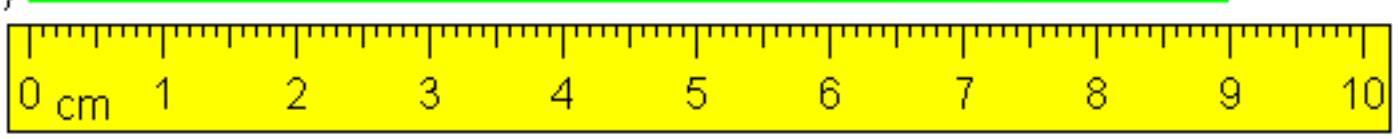
A	S	P	O	N	G	E
1	2	3	4	5	6	7

What has holes all around but still can hold water?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

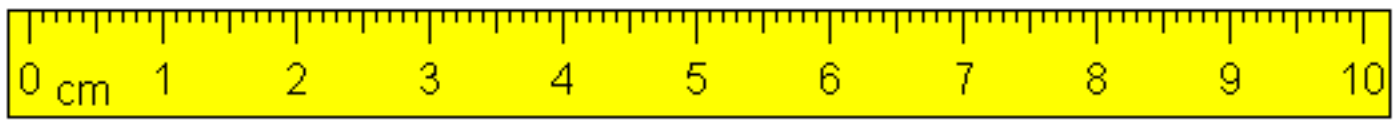


(1) What is the length of bar 1: 54 mm

(2) What is the length of bar 2: 7.4 cm

(3) What is the length of bar 3: 90 mm

(4)
(5)
(6)

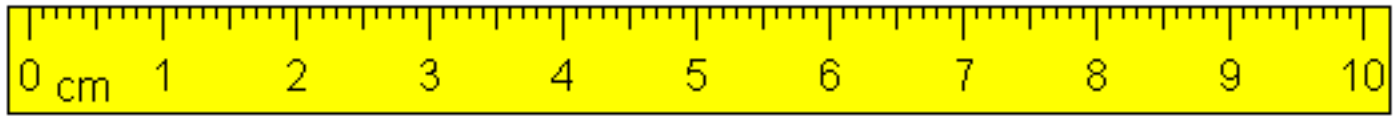


(4) What is the length of bar 4: 45 mm

(5) What is the length of bar 5: 8 cm 7 mm

(6) What is the length of bar 6: 24 mm

(7)



(7) What is the length of bar 7: .9 cm

(E) .9 cm

(P) 90 mm

(N) 8 cm 7 mm

(G) 24 mm

(S) 7.4 cm

(O) 45 mm

(A) 54 mm

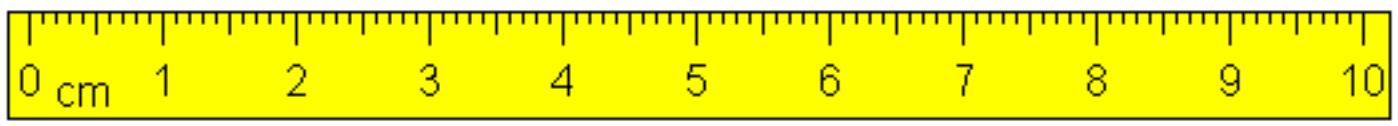
1	2	3	4	5	6	2	7	5	8	7	3	9

How can you walk a mile and have one leg travel further than the other?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Figures not to exact scale:

(1)
(2)
(3)

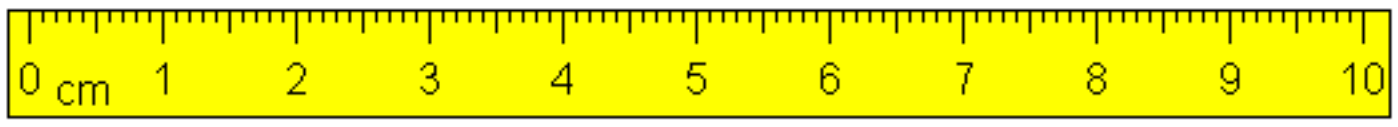


(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

(3) What is the length of bar 3: _____

(4)
(5)
(6)

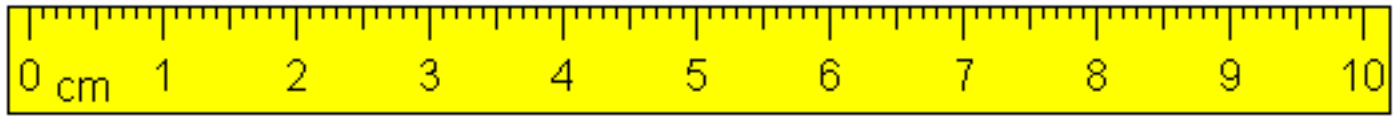


(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

(6) What is the length of bar 6: _____

(7)
(8)
(9)



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____

(I) 5 cm

(R) 32 mm

(N) 79 mm

(E) 5.8 cm

(W) 3.1 cm

(L) 5 cm 6 mm

(C) 1 cm

(K) 7.7 cm

(A) 18 mm

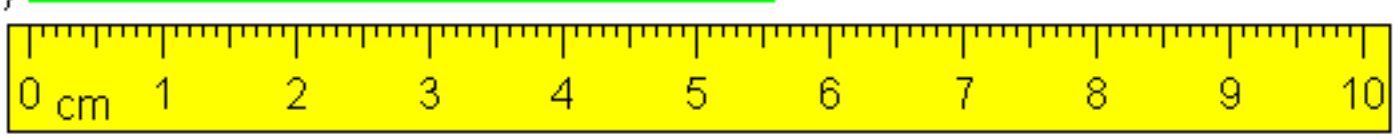
W	A	L	K		I	N		A		C	I	R	C	L	E
1	2	3	4		5	6		2		7	5	8	7	3	9

How can you walk a mile and have one leg travel further than the other?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

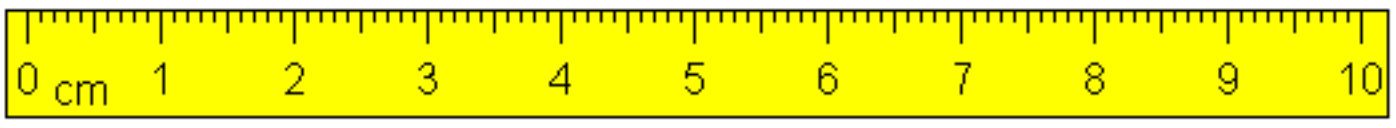
Figures not to exact scale:

(1)
(2)
(3)



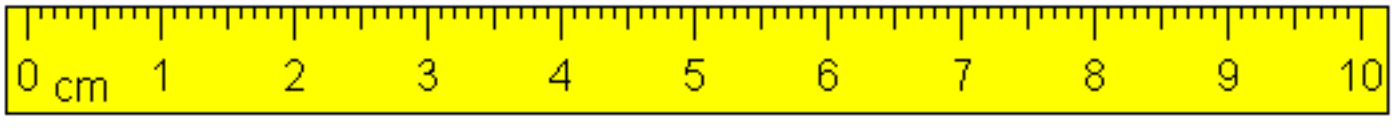
(1) What is the length of bar 1: 3.1 cm
(2) What is the length of bar 2: 18 mm
(3) What is the length of bar 3: 5 cm 6 mm

(4)
(5)
(6)



(4) What is the length of bar 4: 7.7 cm
(5) What is the length of bar 5: 5 cm
(6) What is the length of bar 6: 79 mm

(7)
(8)
(9)



(7) What is the length of bar 7: 1 cm
(8) What is the length of bar 8: 32 mm
(9) What is the length of bar 9: 5.8 cm

(I) 5 cm

(R) 32 mm

(N) 79 mm

(E) 5.8 cm

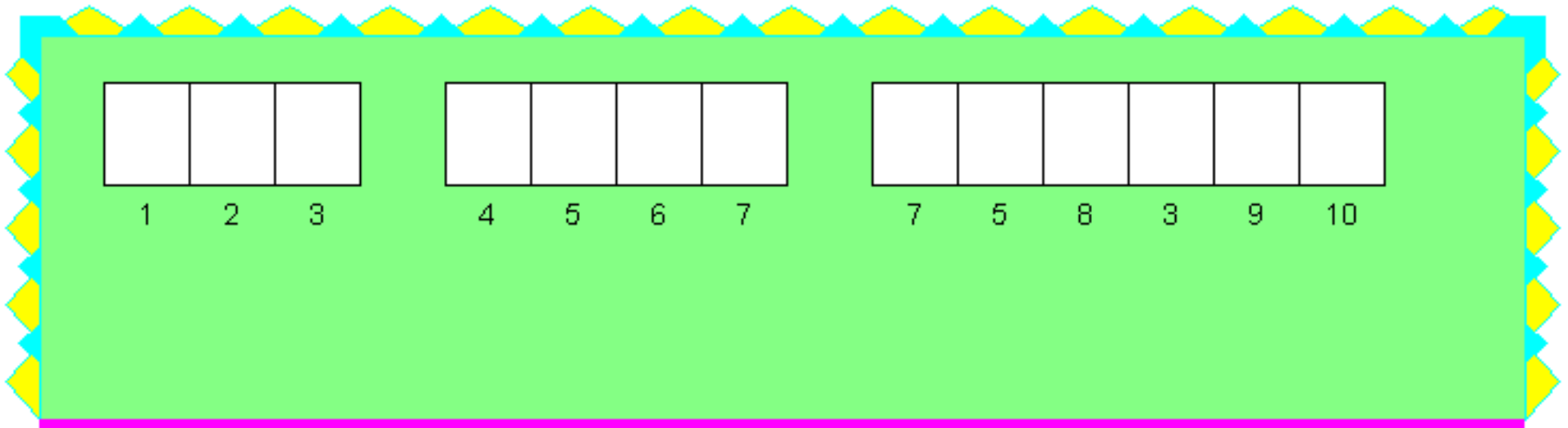
(W) 3.1 cm

(L) 5 cm 6 mm

(C) 1 cm

(K) 7.7 cm

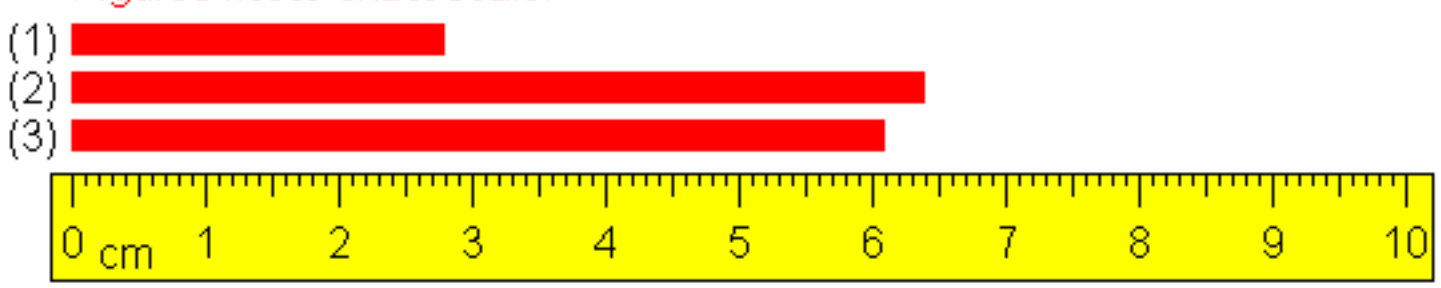
(A) 18 mm



What has 6 letters but is 12 when you take one away?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

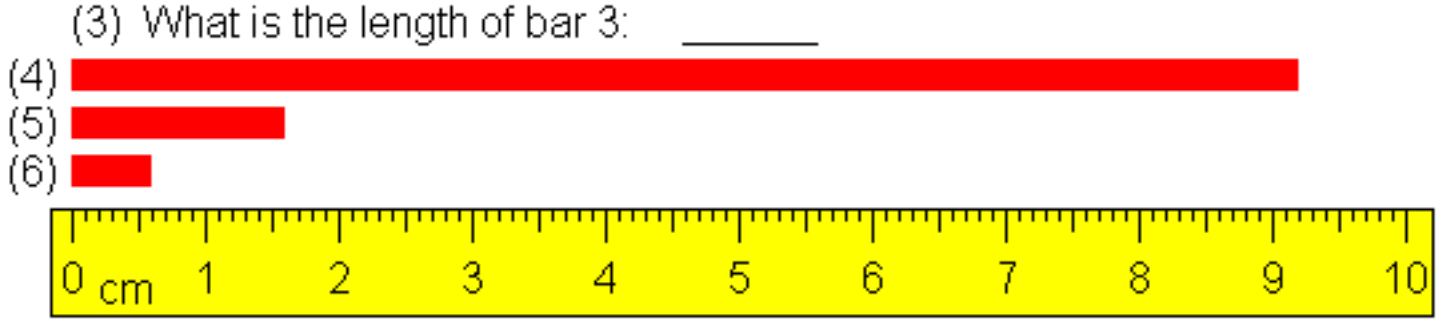
Figures not to exact scale:



(1) What is the length of bar 1: _____

(2) What is the length of bar 2: _____

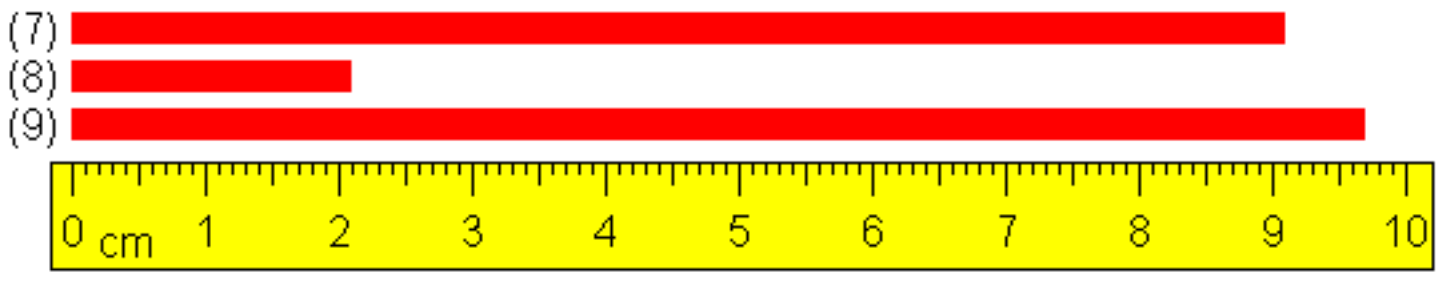
(3) What is the length of bar 3: _____



(4) What is the length of bar 4: _____

(5) What is the length of bar 5: _____

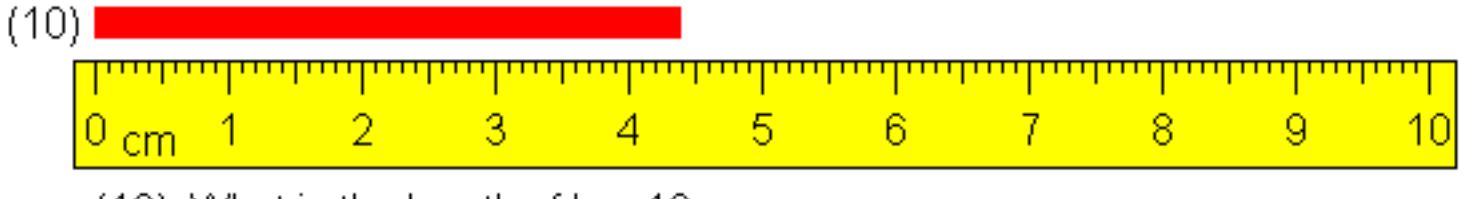
(6) What is the length of bar 6: _____



(7) What is the length of bar 7: _____

(8) What is the length of bar 8: _____

(9) What is the length of bar 9: _____



(10) What is the length of bar 10: _____

(O) 16 mm

(W) 9 cm 2 mm

(E) 6.1 cm

(Z) 21 mm

(T) 2.8 cm

(H) 6 cm 4 mm

(N) 97 mm

(S) 44 mm

(D) 91 mm

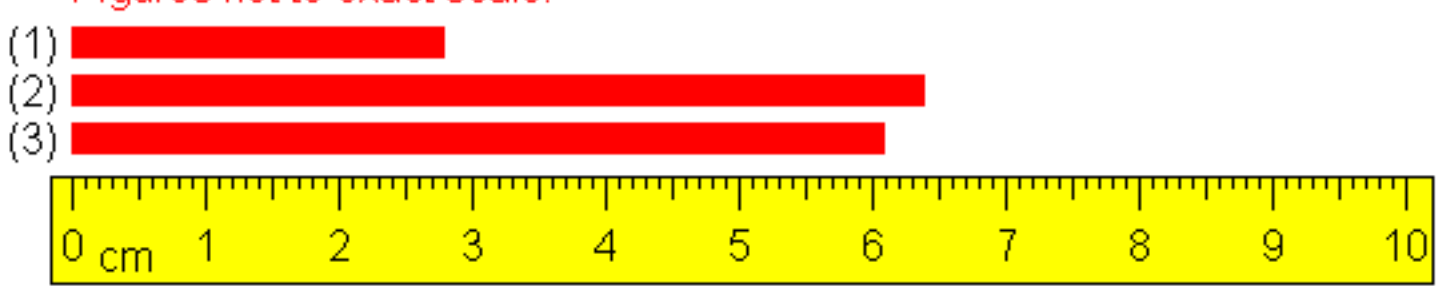
(R) 6 mm

T	H	E		W	O	R	D		D	O	Z	E	N	S
1	2	3		4	5	6	7		7	5	8	3	9	10

What has 6 letters but is 12 when you take one away?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

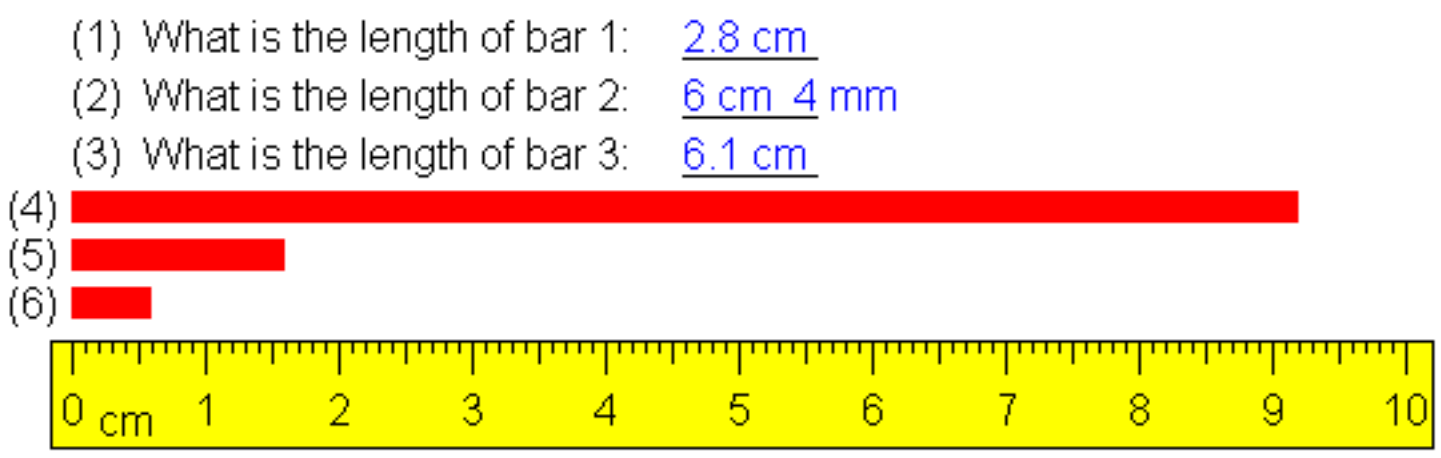
Figures not to exact scale:



(1) What is the length of bar 1: 2.8 cm

(2) What is the length of bar 2: 6 cm 4 mm

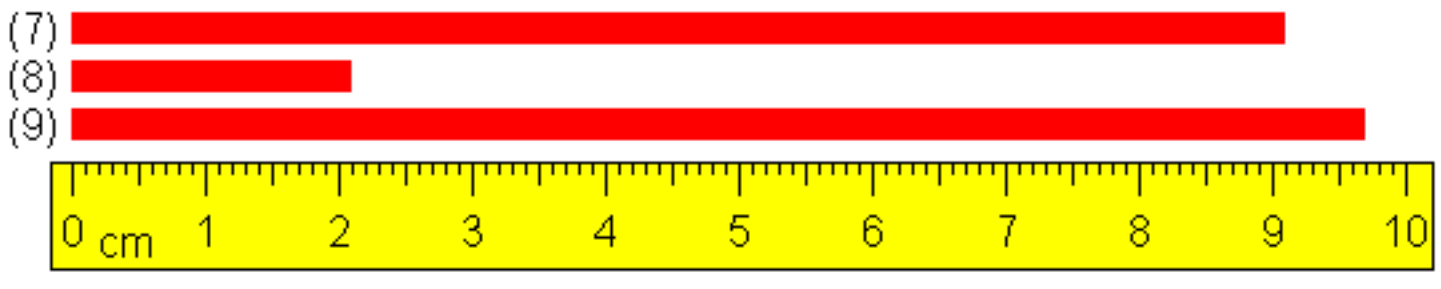
(3) What is the length of bar 3: 6.1 cm



(4) What is the length of bar 4: 9 cm 2 mm

(5) What is the length of bar 5: 16 mm

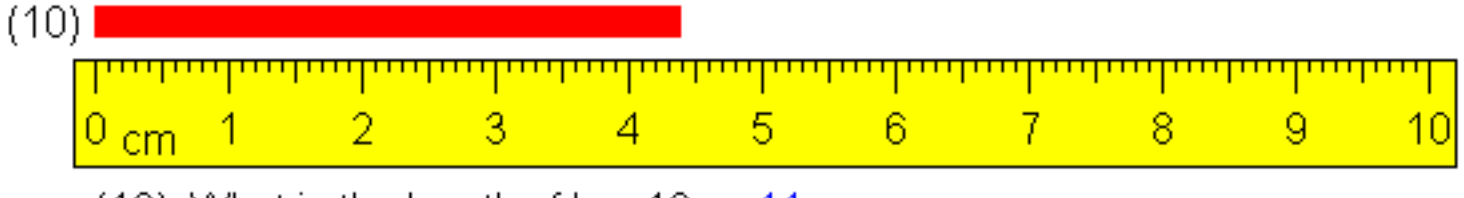
(6) What is the length of bar 6: 6 mm



(7) What is the length of bar 7: 91 mm

(8) What is the length of bar 8: 21 mm

(9) What is the length of bar 9: 97 mm



(10) What is the length of bar 10: 44 mm

(O) 16 mm

(W) 9 cm 2 mm

(E) 6.1 cm

(Z) 21 mm

(T) 2.8 cm

(H) 6 cm 4 mm

(N) 97 mm

(S) 44 mm

(D) 91 mm

(R) 6 mm

1	2		3	4	5	6	2	7		8	9

10	8	11	10	5	2	12

Why was the geometry teacher boring?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 6.57 m = _____ mm

(2) 3.18 km = _____ m

(3) 7830 m = _____ km

(4) 5.58 m = _____ mm

(5) 8.76 km = _____ m

(6) 6.9 cm = _____ mm

(7) 5.49 m = _____ mm

(8) 9830 mm = _____ m

(9) 7900 m = _____ km

(10) 610 cm = _____ m

(11) 2.4 m = _____ mm

(12) 8170 mm = _____ m

(S) 8.17 m

(K) 69 mm

(R) 2400 mm

(N) 7.9 km

(E) 3180 m

(L) 8760 m

(I) 9.83 m

(T) 7.83 km

(D) 5490 mm

(H) 6570 mm

(A) 5580 mm

(C) 6.1 m

H	E		T	A	L	K	E	D		I	N
1	2		3	4	5	6	2	7		8	9

C	I	R	C	L	E	S
10	8	11	10	5	2	12

Why was the geometry teacher boring?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 6.57 m = _____ mm $6.57\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right)$ = 6570 mm — (S) 8.17 m

(2) 3.18 km = _____ m $3.18\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right)$ = 3180 m — (K) 69 mm

(3) 7830 m = _____ km $7830\ \cancel{m}\left(\frac{1\ km}{1000\ \cancel{m}}\right)$ = 7 km 830 m — (R) 2400 mm

(4) 5.58 m = _____ mm $5.58\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right)$ = 5580 mm — (N) 7.9 km

(5) 8.76 km = _____ m $8.76\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right)$ = 8760 m — (E) 3180 m

(6) 6.9 cm = _____ mm $6.9\ \cancel{cm}\left(\frac{10\ mm}{1\ \cancel{cm}}\right)$ = 69 mm — (L) 8760 m

(7) 5.49 m = _____ mm $5.49\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right)$ = 5490 mm — (I) 9.83 m

(8) 9830 mm = _____ m $9830\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right)$ = 9 m 830 mm — (T) 7.83 km

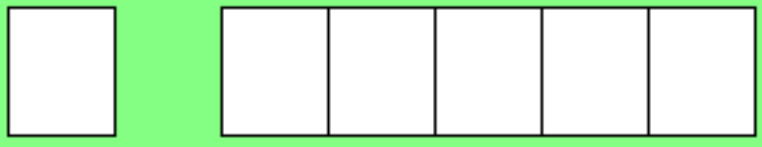
(9) 7900 m = _____ km $7900\ \cancel{m}\left(\frac{1\ km}{1000\ \cancel{m}}\right)$ = 7 km 900 m — (D) 5490 mm

(10) 610 cm = _____ m $610\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right)$ = 6 m 10 cm — (H) 6570 mm

(11) 2.4 m = _____ mm $2.4\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right)$ = 2400 mm — (A) 5580 mm

(12) 8170 mm = _____ m $8170\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right)$ = 8 m 170 mm — (C) 6.1 m

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



What goes around in circles but always straight ahead?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 1.8 m = _____ cm

(2) 8.4 m = _____ cm

(3) 2.1 m = _____ cm

(4) 90 mm = _____ cm

(5) 15.4 cm = _____ mm

Ⓐ 180 cm

Ⓛ 154 mm

Ⓔ 9 cm

Ⓦ 840 cm

Ⓗ 210 cm

A	W	H	E	E	L
1	2	3	4	4	5

What goes around in circles but always straight ahead?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 1.8 m = _____ cm $1.8\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 180\ cm$

(2) 8.4 m = _____ cm $8.4\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 840\ cm$

(3) 2.1 m = _____ cm $2.1\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 210\ cm$

(4) 90 mm = _____ cm $90\ \cancel{mm}\left(\frac{1\ cm}{10\ \cancel{mm}}\right) = 9\ cm$

(5) 15.4 cm = _____ mm $15.4\ \cancel{cm}\left(\frac{10\ mm}{1\ \cancel{cm}}\right) = 154\ mm$

(A) **180 cm**

(L) **154 mm**

(E) **9 cm**

(W) **840 cm**

(H) **210 cm**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5

4	6	7	1

What does a skelton order at a restaurant?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 6.02 km = _____ m

(2) 4750 mm = _____ m

(3) 3 m = _____ cm

(4) 4.68 m = _____ mm

(5) 7.2 m = _____ mm

(6) 4.77 km = _____ m

(7) 120 mm = _____ cm

(E) **7200 mm**

(B) **12 cm**

(R) **4680 mm**

(P) **4.75 m**

(I) **4770 m**

(A) **300 cm**

(S) **6020 m**

S	P	A	R	E
1	2	3	4	5

R	I	B	S
4	6	7	1

What does a skelton order at a restaurant?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 6.02 km = _____ m $6.02\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 6020\ m$

(2) 4750 mm = _____ m $4750\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right) = 4\ m\ 750\ mm$

(3) 3 m = _____ cm $3\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 300\ cm$

(4) 4.68 m = _____ mm $4.68\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right) = 4680\ mm$

(5) 7.2 m = _____ mm $7.2\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right) = 7200\ mm$

(6) 4.77 km = _____ m $4.77\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 4770\ m$

(7) 120 mm = _____ cm $120\ \cancel{mm}\left(\frac{1\ cm}{10\ \cancel{mm}}\right) = 12\ cm$

(E) **7200 mm**

(B) **12 cm**

(R) **4680 mm**

(P) **4.75 m**

(I) **4770 m**

(A) **300 cm**

(S) **6020 m**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5	

6	3	7	8	5	9

1	3	7	4

What do lazy dogs do for fun?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 2.1 m = _____ cm

(2) 6.2 m = _____ cm

(3) 5.36 km = _____ m

(4) 9580 mm = _____ m

(5) 6.2 km = _____ m

(6) 7040 mm = _____ m

(7) 540 cm = _____ m

(8) 810 cm = _____ m

(9) 5.76 km = _____ m

(H) **620 cm**

(P) **7.04 m**

(K) **8.1 m**

(R) **5.4 m**

(C) **210 cm**

(S) **9.58 m**

(A) **5360 m**

(E) **6200 m**

(D) **5760 m**

C	H	A	S	E
1	2	3	4	5

P	A	R	K	E	D
6	3	7	8	5	9

C	A	R	S
1	3	7	4

What do lazy dogs do for fun?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 2.1 m = _____ cm $2.1\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 210\ cm$

(2) 6.2 m = _____ cm $6.2\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 620\ cm$

(3) 5.36 km = _____ m $5.36\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 5360\ m$

(4) 9580 mm = _____ m $9580\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right) = 9\ m\ 580\ mm$

(5) 6.2 km = _____ m $6.2\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 6200\ m$

(6) 7040 mm = _____ m $7040\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right) = 7\ m\ 40\ mm$

(7) 540 cm = _____ m $540\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right) = 5\ m\ 40\ cm$

(8) 810 cm = _____ m $810\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right) = 8\ m\ 10\ cm$

(9) 5.76 km = _____ m $5.76\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 5760\ m$

(H) **620 cm**

(P) **7.04 m**

(K) **8.1 m**

(R) **5.4 m**

(C) **210 cm**

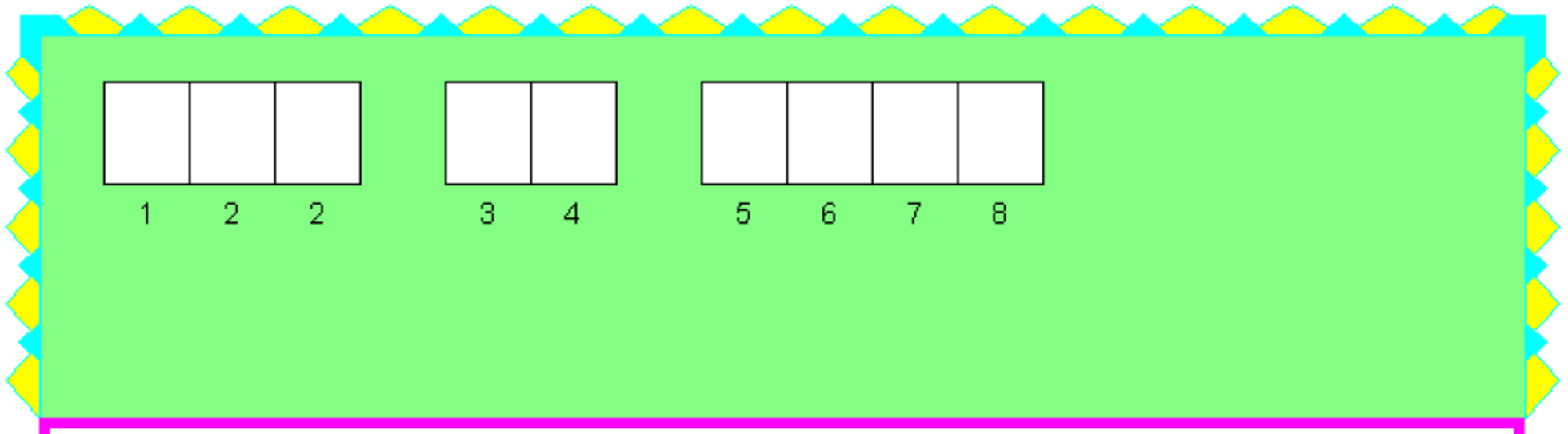
(S) **9.58 m**

(A) **5360 m**

(E) **6200 m**

(D) **5760 m**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



What month has 28 days?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 450 cm = _____ m

(2) 44 mm = _____ cm

(3) 4.47 m = _____ mm

(4) 8.99 m = _____ mm

(5) 6.8 m = _____ cm

(6) 470 cm = _____ m

(7) 7.5 m = _____ cm

(8) 6760 mm = _____ m

(O) **4470 mm**

(E) **750 cm**

(A) **4.5 m**

(M) **6.76 m**

(T) **680 cm**

(F) **8990 mm**

(L) **4.4 cm**

(H) **4.7 m**

A	L	L		O	F		T	H	E	M
1	2	2		3	4		5	6	7	8

What month has 28 days?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 450 cm = _____ m $450\ \text{cm} \left(\frac{1\ \text{m}}{100\ \text{cm}}\right) = 4\ \text{m}\ 50\ \text{cm}$

(2) 44 mm = _____ cm $44\ \text{mm} \left(\frac{1\ \text{cm}}{10\ \text{mm}}\right) = 4\ \text{cm}\ 4\ \text{mm}$

(3) 4.47 m = _____ mm $4.47\ \text{m} \left(\frac{1000\ \text{mm}}{1\ \text{m}}\right) = 4470\ \text{mm}$

(4) 8.99 m = _____ mm $8.99\ \text{m} \left(\frac{1000\ \text{mm}}{1\ \text{m}}\right) = 8990\ \text{mm}$

(5) 6.8 m = _____ cm $6.8\ \text{m} \left(\frac{100\ \text{cm}}{1\ \text{m}}\right) = 680\ \text{cm}$

(6) 470 cm = _____ m $470\ \text{cm} \left(\frac{1\ \text{m}}{100\ \text{cm}}\right) = 4\ \text{m}\ 70\ \text{cm}$

(7) 7.5 m = _____ cm $7.5\ \text{m} \left(\frac{100\ \text{cm}}{1\ \text{m}}\right) = 750\ \text{cm}$

(8) 6760 mm = _____ m $6760\ \text{mm} \left(\frac{1\ \text{m}}{1000\ \text{mm}}\right) = 6\ \text{m}\ 760\ \text{mm}$

(O) **4470 mm**

(E) **750 cm**

(A) **4.5 m**

(M) **6.76 m**

(T) **680 cm**

(F) **8990 mm**

(L) **4.4 cm**

(H) **4.7 m**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5	6	7

hat did Mother Hubbard say when she opened the cupboard?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 3.3 cm = _____ mm

(2) 9.3 m = _____ cm

(3) 86 mm = _____ cm

(4) 830 cm = _____ m

(5) 1.8 m = _____ cm

(6) 3.29 m = _____ mm

(7) 56 mm = _____ cm

Ⓤ **8.3 m**

Ⓜ **3290 mm**

Ⓣ **5.6 cm**

Ⓘ **930 cm**

Ⓡ **180 cm**

Ⓞ **33 mm**

Ⓒ **8.6 cm**

O	I	C	U	R	M	T
1	2	3	4	5	6	7

hat did Mother Hubbard say when she opened the cupboard?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 3.3 cm = _____ mm

$$3.3\ \text{cm} \left(\frac{10\ \text{mm}}{1\ \text{cm}}\right) = 33\ \text{mm}$$

(2) 9.3 m = _____ cm

$$9.3\ \text{m} \left(\frac{100\ \text{cm}}{1\ \text{m}}\right) = 930\ \text{cm}$$

(3) 86 mm = _____ cm

$$86\ \text{mm} \left(\frac{1\ \text{cm}}{10\ \text{mm}}\right) = 8\ \text{cm}\ 6\ \text{mm}$$

(4) 830 cm = _____ m

$$830\ \text{cm} \left(\frac{1\ \text{m}}{100\ \text{cm}}\right) = 8\ \text{m}\ 30\ \text{cm}$$

(5) 1.8 m = _____ cm

$$1.8\ \text{m} \left(\frac{100\ \text{cm}}{1\ \text{m}}\right) = 180\ \text{cm}$$

(6) 3.29 m = _____ mm

$$3.29\ \text{m} \left(\frac{1000\ \text{mm}}{1\ \text{m}}\right) = 3290\ \text{mm}$$

(7) 56 mm = _____ cm

$$56\ \text{mm} \left(\frac{1\ \text{cm}}{10\ \text{mm}}\right) = 5\ \text{cm}\ 6\ \text{mm}$$

(U) **8.3 m**

(M) **3290 mm**

(T) **5.6 cm**

(I) **930 cm**

(R) **180 cm**

(O) **33 mm**

(C) **8.6 cm**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5	6	3	1	7	8

1	9	6	3	10	

Why can't bikes stand upright by themselves?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 28 mm = _____ cm

(2) 5690 m = _____ km

(3) 130 cm = _____ m

(4) 6670 mm = _____ m

(5) 470 cm = _____ m

(6) 3870 mm = _____ m

(7) 1.16 km = _____ m

(8) 14 mm = _____ cm

(9) 6630 mm = _____ m

(10) 8.64 m = _____ mm

(H) 5.69 km

(D) 8640 mm

(W) 1160 m

(T) 2.8 cm

(O) 1.4 cm

(E) 1.3 m

(Y) 6.67 m

(R) 3.87 m

(A) 4.7 m

(I) 6.63 m

T	H	E	Y
1	2	3	4

A	R	E
5	6	3

T	W	O
1	7	8

T	I	R	E	D
1	9	6	3	10

Why can't bikes stand upright by themselves?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 28 mm = _____ cm — $28\ \cancel{mm}\left(\frac{1\ cm}{10\ \cancel{mm}}\right)$ = 2 cm 8 mm

(2) 5690 m = _____ km — $5690\ \cancel{m}\left(\frac{1\ km}{1000\ \cancel{m}}\right)$ = 5 km 690 m

(3) 130 cm = _____ m — $130\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right)$ = 1 m 30 cm

(4) 6670 mm = _____ m — $6670\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right)$ = 6 m 670 mm

(5) 470 cm = _____ m — $470\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right)$ = 4 m 70 cm

(6) 3870 mm = _____ m — $3870\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right)$ = 3 m 870 mm

(7) 1.16 km = _____ m — $1.16\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right)$ = 1160 m

(8) 14 mm = _____ cm — $14\ \cancel{mm}\left(\frac{1\ cm}{10\ \cancel{mm}}\right)$ = 1 cm 4 mm

(9) 6630 mm = _____ m — $6630\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right)$ = 6 m 630 mm

(10) 8.64 m = _____ mm — $8.64\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right)$ = 8640 mm

(H) 5.69 km

(D) 8640 mm

(W) 1160 m

(T) 2.8 cm

(O) 1.4 cm

(E) 1.3 m

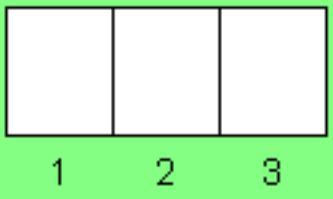
(Y) 6.67 m

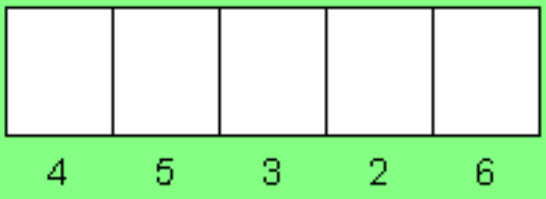
(R) 3.87 m

(A) 4.7 m

(I) 6.63 m

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.





How much is a skunk worth?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 6890 m = _____ km

(2) 2280 mm = _____ m

(3) 4.55 m = _____ mm

(4) 29 mm = _____ cm

(5) 4450 m = _____ km

(6) 163 mm = _____ cm

Ⓢ **2.9 cm**

Ⓒ **4.45 km**

Ⓔ **4550 mm**

Ⓣ **16.3 cm**

Ⓝ **2.28 m**

Ⓞ **6.89 km**

O	N	E
1	2	3

S	C	E	N	T
4	5	3	2	6

How much is a skunk worth?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 6890 m = _____ km $6890\ \cancel{m}\left(\frac{1\ \text{km}}{1000\ \cancel{m}}\right) = 6\ \text{km}\ 890\ \text{m}$

(2) 2280 mm = _____ m $2280\ \cancel{mm}\left(\frac{1\ \text{m}}{1000\ \cancel{mm}}\right) = 2\ \text{m}\ 280\ \text{mm}$

(3) 4.55 m = _____ mm $4.55\ \cancel{m}\left(\frac{1000\ \text{mm}}{1\ \cancel{m}}\right) = 4550\ \text{mm}$

(4) 29 mm = _____ cm $29\ \cancel{mm}\left(\frac{1\ \text{cm}}{10\ \cancel{mm}}\right) = 2\ \text{cm}\ 9\ \text{mm}$

(5) 4450 m = _____ km $4450\ \cancel{m}\left(\frac{1\ \text{km}}{1000\ \cancel{m}}\right) = 4\ \text{km}\ 450\ \text{m}$

(6) 163 mm = _____ cm $163\ \cancel{mm}\left(\frac{1\ \text{cm}}{10\ \cancel{mm}}\right) = 16\ \text{cm}\ 3\ \text{mm}$

(S) **2.9 cm**

(C) **4.45 km**

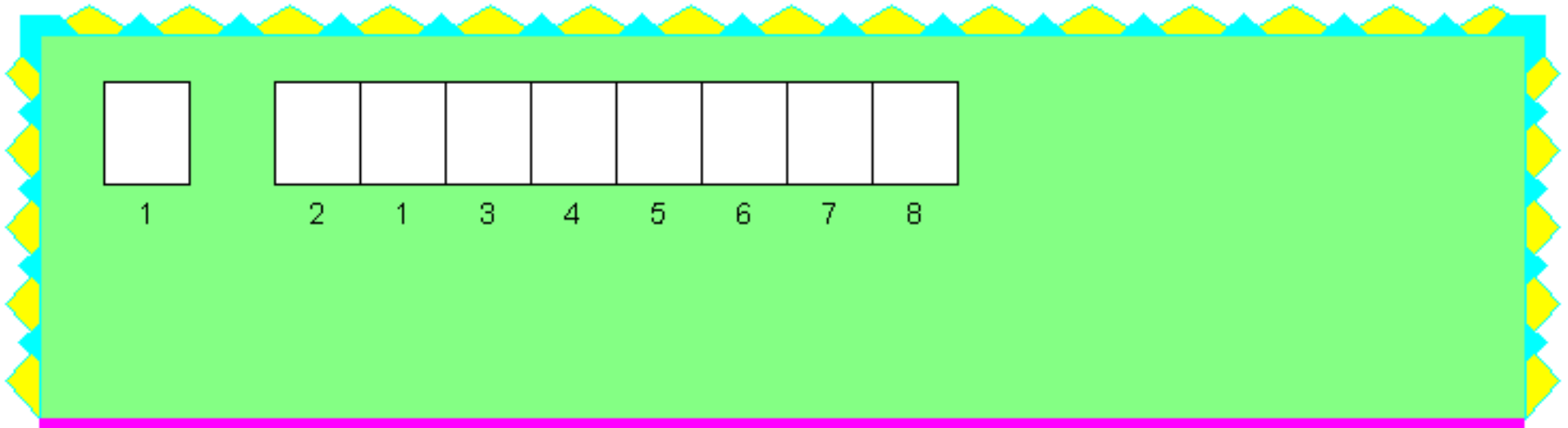
(E) **4550 mm**

(T) **16.3 cm**

(N) **2.28 m**

(O) **6.89 km**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



What animal keeps the best time?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 167 mm = _____ cm

(2) 1.4 m = _____ cm

(3) 8.7 m = _____ cm

(4) 2.68 km = _____ m

(5) 9.7 cm = _____ mm

(6) 8.9 km = _____ m

(7) 7.8 cm = _____ mm

(8) 8.12 m = _____ mm

(H) 97 mm

(C) 2680 m

(G) 8120 mm

(A) 16.7 cm

(W) 140 cm

(D) 8900 m

(O) 78 mm

(T) 870 cm

A	W	A	T	C	H	D	O	G
1	2	1	3	4	5	6	7	8

What animal keeps the best time?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 167 mm = _____ cm

$$167\ \cancel{mm}\left(\frac{1\ cm}{10\ \cancel{mm}}\right) = 16\ cm\ 7\ mm$$

(2) 1.4 m = _____ cm

$$1.4\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 140\ cm$$

(3) 8.7 m = _____ cm

$$8.7\ \cancel{m}\left(\frac{100\ cm}{1\ \cancel{m}}\right) = 869\ cm$$

(4) 2.68 km = _____ m

$$2.68\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 2680\ m$$

(5) 9.7 cm = _____ mm

$$9.7\ \cancel{cm}\left(\frac{10\ mm}{1\ \cancel{cm}}\right) = 97\ mm$$

(6) 8.9 km = _____ m

$$8.9\ \cancel{km}\left(\frac{1000\ m}{1\ \cancel{km}}\right) = 8900\ m$$

(7) 7.8 cm = _____ mm

$$7.8\ \cancel{cm}\left(\frac{10\ mm}{1\ \cancel{cm}}\right) = 78\ mm$$

(8) 8.12 m = _____ mm

$$8.12\ \cancel{m}\left(\frac{1000\ mm}{1\ \cancel{m}}\right) = 8119\ mm$$

(H) **97 mm**

(C) **2680 m**

(G) **8120 mm**

(A) **16.7 cm**

(W) **140 cm**

(D) **8900 m**

(O) **78 mm**

(T) **870 cm**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.

1	2	3	4	5	4	5	6	7	1	8	9
1	8	1	2								

Why should you carry a watch when crossing a desert?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 14.9 cm = _____ mm

(2) 16.6 cm = _____ mm

(3) 3650 m = _____ km

(4) 4090 m = _____ km

(5) 148 mm = _____ cm

(6) 8930 mm = _____ m

(7) 290 cm = _____ m

(8) 490 cm = _____ m

(9) 3070 m = _____ km

(G) **3.07 km**

(P) **8.93 m**

(R) **2.9 m**

(A) **4.09 km**

(I) **149 mm**

(H) **3.65 km**

(T) **166 mm**

(S) **14.8 cm**

(N) **4.9 m**

I	T		H	A	S		A		S	P	R	I	N	G
1	2		3	4	5		4		5	6	7	1	8	9

I	N		I	T
1	8		1	2

Why should you carry a watch when crossing a desert?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 14.9 cm = _____ mm $14.9\ \cancel{cm}\left(\frac{10\ mm}{1\ \cancel{cm}}\right) = 149\ mm$

(2) 16.6 cm = _____ mm $16.6\ \cancel{cm}\left(\frac{10\ mm}{1\ \cancel{cm}}\right) = 166\ mm$

(3) 3650 m = _____ km $3650\ \cancel{m}\left(\frac{1\ km}{1000\ \cancel{m}}\right) = 3\ km\ 650\ m$

(4) 4090 m = _____ km $4090\ \cancel{m}\left(\frac{1\ km}{1000\ \cancel{m}}\right) = 4\ km\ 90\ m$

(5) 148 mm = _____ cm $148\ \cancel{mm}\left(\frac{1\ cm}{10\ \cancel{mm}}\right) = 14\ cm\ 8\ mm$

(6) 8930 mm = _____ m $8930\ \cancel{mm}\left(\frac{1\ m}{1000\ \cancel{mm}}\right) = 8\ m\ 930\ mm$

(7) 290 cm = _____ m $290\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right) = 2\ m\ 90\ cm$

(8) 490 cm = _____ m $490\ \cancel{cm}\left(\frac{1\ m}{100\ \cancel{cm}}\right) = 4\ m\ 90\ cm$

(9) 3070 m = _____ km $3070\ \cancel{m}\left(\frac{1\ km}{1000\ \cancel{m}}\right) = 3\ km\ 70\ m$

(G) **3.07 km**

(P) **8.93 m**

(R) **2.9 m**

(A) **4.09 km**

(I) **149 mm**

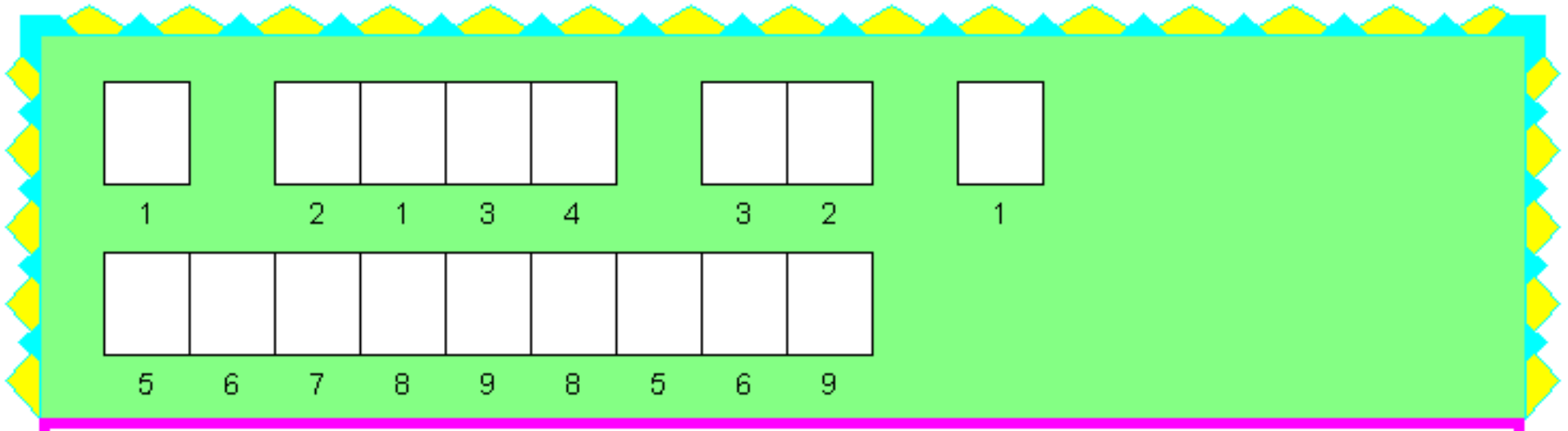
(H) **3.65 km**

(T) **166 mm**

(S) **14.8 cm**

(N) **4.9 m**

Going to a smaller unit of measurement means more measurements, so you multiply.
Going to a larger unit of measurement means fewer measurements, so you divide.



What walks all day on its head?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	5	cm	1	mm
+	2	cm	9	mm

(2)

	5	m	24	cm
+	11	m	82	cm

(3)

	25	m	87	cm
-	10	m	86	cm

(4)

	13	m	62	cm
+	14	m	62	cm

(5)

	15	m	46	cm
-	5	m	16	cm

(6)

	11	m	20	cm
+	7	m	57	cm

(7)

	18	m	60	cm
+	8	m	50	cm

(8)

	6	cm	7	mm
+	17	cm	5	mm

(9)

	20	cm	9	mm
-	8	cm		

(E) **12 cm 9 mm**

(R) **27 m 10 cm**

(I) **15 m 1 cm**

(H) **10 m 30 cm**

(O) **18 m 77 cm**

(A) **8 cm**

(L) **28 m 24 cm**

(N) **17 m 6 cm**

(S) **24 cm 2 mm**

A		N	A	I	L		I	N		A
1		2	1	3	4		3	2		1

H	O	R	S	E	S	H	O	E
5	6	7	8	9	8	5	6	9

What walks all day on its head?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	5 cm	1 mm		
+	2 cm	9 mm		
	7 cm	~~10~~ mm		
	1 cm			
	8 cm			

(2)

	5 m	24 cm		
+	11 m	82 cm		
	16 m	~~106~~ cm		
	1 m	6 cm		
	17 m	6 cm		

(3)

	25 m	87 cm		
-	10 m	86 cm		
	15 m	1 cm		

(4)

	13 m	62 cm		
+	14 m	62 cm		
	27 m	~~124~~ cm		
	1 m	24 cm		
	28 m	24 cm		

(5)

	15 m	46 cm		
-	5 m	16 cm		
	10 m	30 cm		

(6)

	11 m	20 cm		
+	7 m	57 cm		
	18 m	77 cm		

(7)

	18 m	60 cm		
+	8 m	50 cm		
	26 m	~~110~~ cm		
	1 m	10 cm		
	27 m	10 cm		

(8)

	6 cm	7 mm		
+	17 cm	5 mm		
	23 cm	~~12~~ mm		
	1 cm	2 mm		
	24 cm	2 mm		

(9)

	20 cm	9 mm		
-	8 cm			
	12 cm	9 mm		

(E) **12 cm 9 mm**

(R) **27 m 10 cm**

(I) **15 m 1 cm**

(H) **10 m 30 cm**

(O) **18 m 77 cm**

(A) **8 cm**

(L) **28 m 24 cm**

(N) **17 m 6 cm**

(S) **24 cm 2 mm**

1	2	3		4	5	6	7	8	9

1	6	3	3	

What goes round and round the wood but never goes into the wood?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	15	m	3	cm
-	11	m	71	cm

(2)

	15	m	35	cm
+	3	m	10	cm

(3)

	18	cm	7	mm
-	9	cm	3	mm

(4)

	7	cm	5	mm
+	10	cm	9	mm

(5)

	16	m	18	cm
-	14	m	1	cm

(6)

	5	cm	3	mm
+	3	cm	9	mm

(7)

	4	m	94	cm
+	9	m	58	cm

(8)

	18	m	37	cm
+	18	m	61	cm

(9)

	18	m	60	cm
-	8	m	97	cm

(R) **9 cm 2 mm**

(H) **18 m 45 cm**

(F) **9 m 63 cm**

(T) **3 m 32 cm**

(B) **18 cm 4 mm**

(E) **9 cm 4 mm**

(K) **14 m 52 cm**

(A) **2 m 17 cm**

(O) **36 m 98 cm**

T	H	E		B	A	R	K		O	F		A
1	2	3		4	5	6	7		8	9		5

T	R	E	E
1	6	3	3

What goes round and round the wood but never goes into the wood?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	~~15~~	m	~~3~~	cm
-	11	m	71	cm
	3	m	32	cm

(2)

	15	m	35	cm
+	3	m	10	cm
	18	m	45	cm

(3)

	18	cm	7	mm
-	9	cm	3	mm
	9	cm	4	mm

(4)

	7	cm	5	mm
+	10	cm	9	mm
	17	cm	~~14~~	mm
	1	cm	4	mm
	18	cm	4	mm

(5)

	16	m	18	cm
-	14	m	1	cm
	2	m	17	cm

(6)

	5	cm	3	mm
+	3	cm	9	mm
	8	cm	~~12~~	mm
	1	cm	2	mm
	9	cm	2	mm

(7)

	4	m	94	cm
+	9	m	58	cm
	13	m	~~152~~	cm
	1	m	52	cm
	14	m	52	cm

(8)

	18	m	37	cm
+	18	m	61	cm
	36	m	98	cm

(9)

	~~18~~	m	~~60~~	cm
-	8	m	97	cm
	9	m	63	cm

(R) 9 cm 2 mm

(H) 18 m 45 cm

(F) 9 m 63 cm

(T) 3 m 32 cm

(B) 18 cm 4 mm

(E) 9 cm 4 mm

(K) 14 m 52 cm

(A) 2 m 17 cm

(O) 36 m 98 cm

1	2	3	4

5	6	7	8

What belongs to you but others use it more than you do?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	16	m	24	cm
-	12	m	71	cm

(2)

	4	m	37	cm
+	5	m	36	cm

(3)

	2	m	52	cm
+	18	m	40	cm

(4)

	30	cm	1	mm
-	16	cm	4	mm

(5)

	28	m	66	cm
-	17	m	11	cm

(6)

	10	cm	7	mm
-	8	cm	5	mm

(7)

	12	cm	9	mm
+	16	cm	5	mm

(8)

	2	m	52	cm
+	17	m	45	cm

R	13 cm 7 mm
O	9 m 73 cm
N	11 m 55 cm
E	19 m 97 cm
Y	3 m 53 cm
U	20 m 92 cm
M	29 cm 4 mm
A	2 cm 2 mm

Y	O	U	R		N	A	M	E
1	2	3	4		5	6	7	8

What belongs to you but others use it more than you do?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	15	m	124	cm
	~~16~~	m	~~24~~	cm
-	12	m	71	cm
	3	m	53	cm

(2)

	4	m	37	cm
+	5	m	36	cm
	9	m	73	cm

(3)

	2	m	52	cm
+	18	m	40	cm
	20	m	92	cm

(4)

	29	cm	11	mm
	~~30~~	cm	~~1~~	mm
-	16	cm	4	mm
	13	cm	7	mm

(5)

	28	m	66	cm
-	17	m	11	cm
	11	m	55	cm

(6)

	10	cm	7	mm
-	8	cm	5	mm
	2	cm	2	mm

(7)

	12	cm	9	mm
+	16	cm	5	mm
	28	cm	~~14~~	mm
	1	cm	4	mm
	29	cm	4	mm

(8)

	2	m	52	cm
+	17	m	45	cm
	19	m	97	cm

(R) 13 cm 7 mm

(O) 9 m 73 cm

(N) 11 m 55 cm

(E) 19 m 97 cm

(Y) 3 m 53 cm

(U) 20 m 92 cm

(M) 29 cm 4 mm

(A) 2 cm 2 mm

1	2	3	4	5	6	1	7	4

When does rain rise after it falls?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{rr} & 18\text{ m }\ 69\text{ cm} \\ + & 17\text{ m }\ 86\text{ cm} \\ \hline \end{array}$$

(2)

$$\begin{array}{rr} & 27\text{ cm} \\ - & 15\text{ cm }\ 2\text{ mm} \\ \hline \end{array}$$

(3)

$$\begin{array}{rr} & 26\text{ m }\ 22\text{ cm} \\ - & 18\text{ m }\ 35\text{ cm} \\ \hline \end{array}$$

(4)

$$\begin{array}{rr} & 12\text{ m }\ 58\text{ cm} \\ + & 19\text{ m }\ 73\text{ cm} \\ \hline \end{array}$$

(5)

$$\begin{array}{rr} & 2\text{ cm }\ 1\text{ mm} \\ + & 6\text{ cm }\ 7\text{ mm} \\ \hline \end{array}$$

(6)

$$\begin{array}{rr} & 13\text{ cm }\ 5\text{ mm} \\ + & 17\text{ cm }\ 9\text{ mm} \\ \hline \end{array}$$

(7)

$$\begin{array}{rr} & 20\text{ cm }\ 8\text{ mm} \\ + & 8\text{ cm }\ 2\text{ mm} \\ \hline \end{array}$$

N	11 cm 8 mm
D	7 m 87 cm
T	31 cm 4 mm
M	29 cm
I	36 m 55 cm
E	32 m 31 cm
W	8 cm 8 mm

I	N
1	2

D	E	W
3	4	5

T	I	M	E
6	1	7	4

When does rain rise after it falls?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	18	m	69	cm
+	17	m	86	cm
	35	m	~~155~~	cm
	1	m	55	cm
	36	m	55	cm

(2)

	26	cm	10	mm
	~~27~~	cm		
-	15	cm	2	mm
	11	cm	8	mm

(3)

	25	m	122	cm
	~~26~~	m	~~22~~	cm
-	18	m	35	cm
	7	m	87	cm

(4)

	12	m	58	cm
+	19	m	73	cm
	31	m	~~131~~	cm
	1	m	31	cm
	32	m	31	cm

(5)

	2	cm	1	mm
+	6	cm	7	mm
	8	cm	8	mm

(6)

	13	cm	5	mm
+	17	cm	9	mm
	30	cm	~~14~~	mm
	1	cm	4	mm
	31	cm	4	mm

(7)

	20	cm	8	mm
+	8	cm	2	mm
	28	cm	~~10~~	mm
	1	cm		
	29	cm		

(N) **11 cm 8 mm**

(D) **7 m 87 cm**

(T) **31 cm 4 mm**

(M) **29 cm**

(I) **36 m 55 cm**

(E) **32 m 31 cm**

(W) **8 cm 8 mm**

1	2	3	4	5	1		3	1		6		2	3	4	5				
7	5	8	9	5	5	10		4	5	8	8	5	11	1					

What is the longest word in the English dictionary?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{rr} & 12\text{ m }\ 58\text{ cm} \\ + & 2\text{ m }\ 10\text{ cm} \\ \hline \end{array}$$

(2)

$$\begin{array}{rr} & 8\text{ m }\ 56\text{ cm} \\ + & 19\text{ m }\ 24\text{ cm} \\ \hline \end{array}$$

(3)

$$\begin{array}{rr} & 2\text{ m }\ 83\text{ cm} \\ + & 6\text{ m }\ 6\text{ cm} \\ \hline \end{array}$$

(4)

$$\begin{array}{rr} & 9\text{ cm }\ 8\text{ mm} \\ + & 14\text{ cm }\ 9\text{ mm} \\ \hline \end{array}$$

(5)

$$\begin{array}{rr} & 7\text{ cm }\ 7\text{ mm} \\ + & 2\text{ cm }\ 6\text{ mm} \\ \hline \end{array}$$

(6)

$$\begin{array}{rr} & 4\text{ m }\ 14\text{ cm} \\ - & 2\text{ m }\ 67\text{ cm} \\ \hline \end{array}$$

(7)

$$\begin{array}{rr} & 16\text{ m }\ 59\text{ cm} \\ + & 3\text{ m }\ 42\text{ cm} \\ \hline \end{array}$$

(8)

$$\begin{array}{rr} & 23\text{ cm }\ 3\text{ mm} \\ - & 18\text{ cm }\ 4\text{ mm} \\ \hline \end{array}$$

(9)

$$\begin{array}{rr} & 13\text{ cm }\ 1\text{ mm} \\ + & 7\text{ cm }\ 5\text{ mm} \\ \hline \end{array}$$

(10)

$$\begin{array}{rr} & 20\text{ cm }\ 8\text{ mm} \\ + & 12\text{ cm }\ 8\text{ mm} \\ \hline \end{array}$$

(11)

$$\begin{array}{rr} & 12\text{ cm }\ 4\text{ mm} \\ - & 7\text{ cm }\ 7\text{ mm} \\ \hline \end{array}$$

(S) **14 m 68 cm**

(R) **4 cm 7 mm**

(I) **8 m 89 cm**

(B) **20 m 1 cm**

(E) **10 cm 3 mm**

(A) **1 m 47 cm**

(N) **33 cm 6 mm**

(T) **4 cm 9 mm**

(W) **20 cm 6 mm**

(L) **24 cm 7 mm**

(M) **27 m 80 cm**

S	M	I	L	E	S		I	S		A		M	I	L	E
1	2	3	4	5	1		3	1		6		2	3	4	5

B	E	T	W	E	E	N		L	E	T	T	E	R	S
7	5	8	9	5	5	10		4	5	8	8	5	11	1

What is the longest word in the English dictionary?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

	12	m	58	cm
+	2	m	10	cm
	14	m	68	cm

(2)

	8	m	56	cm
+	19	m	24	cm
	27	m	80	cm

(3)

	2	m	83	cm
+	6	m	6	cm
	8	m	89	cm

(4)

	9	cm	8	mm
+	14	cm	9	mm
	23	cm	~~17~~	mm
	1	cm	7	mm
	24	cm	7	mm

(5)

	7	cm	7	mm
+	2	cm	6	mm
	9	cm	~~13~~	mm
	1	cm	3	mm
	10	cm	3	mm

(6)

	~~4~~	m	~~14~~	cm
-	2	m	67	cm
	1	m	47	cm

(7)

	16	m	59	cm
+	3	m	42	cm
	19	m	~~101~~	cm
	1	m	1	cm
	20	m	1	cm

(8)

	~~22~~	cm	~~13~~	mm
-	~~23~~	cm	~~3~~	mm
	18	cm	4	mm
	4	cm	9	mm

(9)

	13	cm	1	mm
+	7	cm	5	mm
	20	cm	6	mm

(10)

	20	cm	8	mm
+	12	cm	8	mm
	32	cm	~~16~~	mm
	1	cm	6	mm
	33	cm	6	mm

(11)

	~~11~~	cm	~~14~~	mm
-	~~12~~	cm	~~4~~	mm
	7	cm	7	mm
	4	cm	7	mm

(S) 14 m 68 cm

(R) 4 cm 7 mm

(I) 8 m 89 cm

(B) 20 m 1 cm

(E) 10 cm 3 mm

(A) 1 m 47 cm

(N) 33 cm 6 mm

(T) 4 cm 9 mm

(W) 20 cm 6 mm

(L) 24 cm 7 mm

(M) 27 m 80 cm

1	2	3	4	5	6

1	6	7	8

What do you get if you eat uranium?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) $3\overline{)\ 36\text{ cm}\quad 9\text{ mm}}$

(2) $13\overline{)\ 19\text{ cm}\quad 5\text{ mm}}$

(3) $18\overline{)\ 235\text{ cm}\quad 8\text{ mm}}$

(4) $18\overline{)\ 153\text{ m}\quad 90\text{ cm}}$

(5) $12\overline{)\ 55\text{ cm}\quad 2\text{ mm}}$

(6)
$$\begin{array}{r} 7\text{ m}\quad 55\text{ cm} \\ \times\quad 16 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 4\text{ cm}\quad 6\text{ mm} \\ \times\quad 18 \\ \hline \end{array}$$

(8) $8\overline{)\ 11\text{ m}\quad 20\text{ cm}}$

C **120 m 80 cm**

H **82 cm 8 mm**

M **8 m 55 cm**

E **1 m 40 cm**

O **13 cm 1 mm**

I **4 cm 6 mm**

A **12 cm 3 mm**

T **1 cm 5 mm**

A	T	O	M	I	C
1	2	3	4	5	6

A	C	H	E
1	6	7	8

What do you get if you eat uranium?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 12 cm 3 mm ÷ 3 = 36 cm 9 mm
36 / 0
9 / 0

(2) 1 cm 5 mm ÷ 13 = 19 cm 5 mm
13 / 6 cm = 60 mm
65 / 65 / 0

(3) 13 cm 1 mm ÷ 18 = 235 cm 8 mm
234 / 1 cm = 10 mm
18 / 18 / 0

(4) 8 m 55 cm ÷ 18 = 153 m 90 cm
144 / 9 m = 900 cm
990 / 990 / 0

(5) 4 cm 6 mm ÷ 12 = 55 cm 2 mm
48 / 7 cm = 70 mm
72 / 72 / 0

(6) 7 m 55 cm × 16
112 m ~~880~~ cm
8 m 80 cm
120 m 80 cm

(7) 4 cm 6 mm × 18
72 cm ~~108~~ mm
10 cm 8 mm
82 cm 8 mm

(8) 1 m 40 cm ÷ 8 = 11 m 20 cm
8 / 3 m = 300 cm
320 / 320 / 0

C	120 m 80 cm
H	82 cm 8 mm
M	8 m 55 cm
E	1 m 40 cm
O	13 cm 1 mm
I	4 cm 6 mm
A	12 cm 3 mm
T	1 cm 5 mm

1	2	3	1	4	5	6	7	8	9	6	10

What is the proper name for shish-kabob?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
$$\begin{array}{r} 9\text{ cm }\ 4\text{ mm} \\ \times\ 13 \\ \hline \end{array}$$

(2)
$$3\overline{)\ 51\text{ m }\ 45\text{ cm}}$$

(3)
$$\begin{array}{r} 5\text{ m }\ 98\text{ cm} \\ \times\ 5 \\ \hline \end{array}$$

(4)
$$\begin{array}{r} 11\text{ m }\ 91\text{ cm} \\ \times\ 7 \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 11\text{ m }\ 37\text{ cm} \\ \times\ 4 \\ \hline \end{array}$$

(6)
$$9\overline{)\ 143\text{ cm }\ 1\text{ m}}$$

(7)
$$16\overline{)\ 183\text{ m }\ 36\text{ cm}}$$

(8)
$$\begin{array}{r} 8\text{ cm }\ 2\text{ mm} \\ \times\ 7 \\ \hline \end{array}$$

(9)
$$4\overline{)\ 83\text{ m }\ 68\text{ cm}}$$

(10)
$$\begin{array}{r} 4\text{ cm }\ 4\text{ mm} \\ \times\ 12 \\ \hline \end{array}$$

T	52 cm 8 mm
K	83 m 37 cm
R	15 cm 9 mm
H	17 m 15 cm
S	122 cm 2 mm
B	57 cm 4 mm
O	11 m 46 cm
E	20 m 92 cm
I	29 m 90 cm
A	45 m 48 cm

S	H	I	S	K	A
1	2	3	1	4	5

R	O	B	E	R	T
6	7	8	9	6	10

What is the proper name for shish-kabob?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{r} 9\text{ cm }\ 4\text{ mm} \\ \times\ 13 \\ \hline 117\text{ cm }\ \cancel{52}\text{ mm} \\ 5\text{ cm }\ 2\text{ mm} \\ \hline 122\text{ cm }\ 2\text{ mm} \end{array}$$

(2)

$$3\overline{)\ 51\text{ m }\ 45\text{ cm}}\quad 17\text{ m }\ 15\text{ cm}$$

51 / 0 — 45 / 0

(3)

$$\begin{array}{r} 5\text{ m }\ 98\text{ cm} \\ \times\ 5 \\ \hline 25\text{ m }\ \cancel{490}\text{ cm} \\ 4\text{ m }\ 90\text{ cm} \\ \hline 29\text{ m }\ 90\text{ cm} \end{array}$$

(4)

$$\begin{array}{r} 11\text{ m }\ 91\text{ cm} \\ \times\ 7 \\ \hline 77\text{ m }\ \cancel{637}\text{ cm} \\ 6\text{ m }\ 37\text{ cm} \\ \hline 83\text{ m }\ 37\text{ cm} \end{array}$$

(5)

$$\begin{array}{r} 11\text{ m }\ 37\text{ cm} \\ \times\ 4 \\ \hline 44\text{ m }\ \cancel{148}\text{ cm} \\ 1\text{ m }\ 48\text{ cm} \\ \hline 45\text{ m }\ 48\text{ cm} \end{array}$$

(6)

$$9\overline{)\ 143\text{ cm }\ 1\text{ mm}}\quad 15\text{ cm }\ 9\text{ mm}$$

135 / 8 cm = 80 mm / 81 / 81 / 0

(7)

$$16\overline{)\ 183\text{ m }\ 36\text{ cm}}\quad 11\text{ m }\ 46\text{ cm}$$

176 / 7 m = 700 cm / 736 / 736 / 0

(8)

$$\begin{array}{r} 8\text{ cm }\ 2\text{ mm} \\ \times\ 7 \\ \hline 56\text{ cm }\ \cancel{14}\text{ mm} \\ 1\text{ cm }\ 4\text{ mm} \\ \hline 57\text{ cm }\ 4\text{ mm} \end{array}$$

(9)

$$4\overline{)\ 83\text{ m }\ 68\text{ cm}}\quad 20\text{ m }\ 92\text{ cm}$$

80 / 3 m = 300 cm / 368 / 368 / 0

(10)

$$\begin{array}{r} 4\text{ cm }\ 4\text{ mm} \\ \times\ 12 \\ \hline 48\text{ cm }\ \cancel{48}\text{ mm} \\ 4\text{ cm }\ 8\text{ mm} \\ \hline 52\text{ cm }\ 8\text{ mm} \end{array}$$

T	52 cm 8 mm
K	83 m 37 cm
R	15 cm 9 mm
H	17 m 15 cm
S	122 cm 2 mm
B	57 cm 4 mm
O	11 m 46 cm
E	20 m 92 cm
I	29 m 90 cm
A	45 m 48 cm

1	2		3	4	2		5	6	2		7
3	1	2	2	3	4		8	9	1	10	4

What did the grape say when Oscar stepped on it?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1) 9 ⟌ 68 cm 4 mm

(2) 9 cm 8 mm × 15

(3) 14 m 50 cm × 2

(4) 10 cm 2 mm × 11

(5) 11 cm 9 mm × 11

(6) 3 m 55 cm × 6

(7) 13 ⟌ 79 cm 3 mm

(8) 12 m 62 cm × 11

(9) 1 cm 4 mm × 10

(10) 7 ⟌ 84 cm 7 mm

Ⓦ 138 m 82 cm

Ⓘ 7 cm 6 mm

Ⓝ 12 cm 1 mm

Ⓐ 6 cm 1 mm

Ⓤ 21 m 30 cm

Ⓣ 147 cm

Ⓛ 29 m

Ⓔ 112 cm 2 mm

Ⓗ 14 cm

Ⓞ 130 cm 9 mm

I	T		L	E	T		O	U	T		A
1	2		3	4	2		5	6	2		7

L	I	T	T	L	E		W	H	I	N	E
3	1	2	2	3	4		8	9	1	10	4

What did the grape say when Oscar stepped on it?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
$$9 \overline{)\ 68\text{ cm }\ 4\text{ mm}}\ =\ 7\text{ cm }\ 6\text{ mm}$$
63
5 cm = 50 mm
54
54
0

(2)
$$9\text{ cm }\ 8\text{ mm} \times 15$$
135 cm ~~120~~ mm
12 cm
147 cm

(3)
$$14\text{ m }\ 50\text{ cm} \times 2$$
28 m ~~100~~ cm
1 m
29 m

(4)
$$10\text{ cm }\ 2\text{ mm} \times 11$$
110 cm ~~22~~ mm
2 cm 2 mm
112 cm 2 mm

(5)
$$11\text{ cm }\ 9\text{ mm} \times 11$$
121 cm ~~99~~ mm
9 cm 9 mm
130 cm 9 mm

(6)
$$3\text{ m }\ 55\text{ cm} \times 6$$
18 m ~~330~~ cm
3 m 30 cm
21 m 30 cm

(7)
$$13 \overline{)\ 79\text{ cm }\ 3\text{ mm}}\ =\ 6\text{ cm }\ 1\text{ mm}$$
78
1 cm = 10 mm
13
13
0

(8)
$$12\text{ m }\ 62\text{ cm} \times 11$$
132 m ~~682~~ cm
6 m 82 cm
138 m 82 cm

(9)
$$1\text{ cm }\ 4\text{ mm} \times 10$$
10 cm ~~40~~ mm
4 cm
14 cm

(10)
$$7 \overline{)\ 84\text{ cm }\ 7\text{ mm}}\ =\ 12\text{ cm }\ 1\text{ mm}$$
84
0
7
0

(W) 138 m 82 cm

(I) 7 cm 6 mm

(N) 12 cm 1 mm

(A) 6 cm 1 mm

(U) 21 m 30 cm

(T) 147 cm

(L) 29 m

(E) 112 cm 2 mm

(H) 14 cm

(O) 130 cm 9 mm

1	2	3	4		4	5	6	7		8	7		9	2	10				
11	10	5	3	12	4	7													

What did the stone say to the geologist?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

$$\begin{array}{r} 2\text{ cm }\ 5\text{ mm} \\ \times\ 10 \\ \hline \end{array}$$

(2)

$$\begin{array}{r} 9\text{ m }\ 43\text{ cm} \\ \times\ 2 \\ \hline \end{array}$$

(3)

$$11\overline{)\ 221\text{ m }\ 54\text{ cm}}$$

(4)

$$\begin{array}{r} 2\text{ cm }\ 2\text{ mm} \\ \times\ 5 \\ \hline \end{array}$$

(5)

$$\begin{array}{r} 15\text{ cm }\ 8\text{ mm} \\ \times\ 12 \\ \hline \end{array}$$

(6)

$$13\overline{)\ 176\text{ cm }\ 8\text{ mm}}$$

(7)

$$18\overline{)\ 363\text{ cm }\ 6\text{ mm}}$$

(8)

$$12\overline{)\ 85\text{ m }\ 44\text{ cm}}$$

(9)

$$\begin{array}{r} 19\text{ cm }\ 1\text{ mm} \\ \times\ 5 \\ \hline \end{array}$$

(10)

$$\begin{array}{r} 20\text{ cm }\ 6\text{ mm} \\ \times\ 13 \\ \hline \end{array}$$

(11)

$$17\overline{)\ 229\text{ cm }\ 5\text{ mm}}$$

(12)

$$4\overline{)\ 70\text{ m }\ 12\text{ cm}}$$

D	25 cm
A	189 cm 6 mm
R	267 cm 8 mm
N	20 m 14 cm
E	20 cm 2 mm
I	17 m 53 cm
F	95 cm 5 mm
M	7 m 12 cm
K	13 cm 6 mm
T	11 cm
G	13 cm 5 mm
O	18 m 86 cm

D	O	N	T		T	A	K	E		M	E		F	O	R
1	2	3	4		4	5	6	7		8	7		9	2	10

G	R	A	N	I	T	E
11	10	5	3	12	4	7

What did the stone say to the geologist?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

2 cm 5 mm
x 10
20 cm ~~50~~ mm
5 cm
25 cm

(2)

9 m 43 cm
x 2
18 m 86 cm

(3)

11 | 221 m 54 cm
220
1 m = 100 cm
154
154
0
→ 20 m 14 cm

(4)

2 cm 2 mm
x 5
10 cm ~~10~~ mm
1 cm
11 cm

(5)

15 cm 8 mm
x 12
180 cm ~~96~~ mm
9 cm 6 mm
189 cm 6 mm

(6)

13 | 176 cm 8 mm
169
7 cm = 70 mm
78
78
0
→ 13 cm 6 mm

(7)

18 | 363 cm 6 mm
360
3 cm = 30 mm
36
36
0
→ 20 cm 2 mm

(8)

12 | 85 m 44 cm
84
1 m = 100 cm
144
144
0
→ 7 m 12 cm

(9)

19 cm 1 mm
x 5
95 cm 5 mm
→ 19 cm 1 mm

(10)

20 cm 6 mm
x 13
260 cm ~~78~~ mm
7 cm 8 mm
267 cm 8 mm

(11)

17 | 229 cm 5 mm
221
8 cm = 80 mm
85
85
0
→ 13 cm 5 mm

(12)

4 | 70 m 12 cm
68
2 m = 200 cm
212
212
0
→ 17 m 53 cm

D	25 cm
A	189 cm 6 mm
R	267 cm 8 mm
N	20 m 14 cm
E	20 cm 2 mm
I	17 m 53 cm
F	95 cm 5 mm
M	7 m 12 cm
K	13 cm 6 mm
T	11 cm
G	13 cm 5 mm
O	18 m 86 cm

1	2	3	4	3		5	6	7	8	9		2	6	5

5	8	10	8	4	11	

What is a Mexican weather report?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)

4 ⟌ 16 cm 4 mm

(2)

10 cm 9 mm
x 7

(3)

4 cm 3 mm
x 17

(4)

4 m 71 cm
x 6

(5)

16 m 64 cm
x 14

(6)

8 ⟌ 42 cm 4 mm

(7)

9 m 84 cm
x 14

(8)

12 ⟌ 151 cm 2 mm

(9)

12 m 75 cm
x 9

(10)

18 ⟌ 323 m 10 cm

(11)

9 cm 2 mm
x 7

Y 114 m 75 cm

O 5 cm 3 mm

E 64 cm 4 mm

M 17 m 95 cm

H 76 cm 3 mm

C 4 cm 1 mm

D 137 m 76 cm

L 28 m 26 cm

I 73 cm 1 mm

A 12 cm 6 mm

T 232 m 96 cm

C	H	I	L	I
1	2	3	4	3

T	O	D	A	Y
5	6	7	8	9

H	O	T
2	6	5

T	A	M	A	L	E
5	8	10	8	4	11

What is a Mexican weather report?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

(1)
$$\begin{array}{r} 4\text{ cm }\ 1\text{ mm} \\ 4\overline{)\ 16\text{ cm }\ 4\text{ mm}} \\ \underline{16} \\ 0 \end{array}$$
$$\begin{array}{r} \\ \\ \underline{4} \\ 0 \end{array}$$

(2)
$$\begin{array}{r} 10\text{ cm }\ 9\text{ mm} \\ \times\ 7 \\ \hline 70\text{ cm }\ \cancel{63}\text{ mm} \\ 6\text{ cm }\ 3\text{ mm} \\ \hline 76\text{ cm }\ 3\text{ mm} \end{array}$$

(3)
$$\begin{array}{r} 4\text{ cm }\ 3\text{ mm} \\ \times\ 17 \\ \hline 68\text{ cm }\ \cancel{51}\text{ mm} \\ 5\text{ cm }\ 1\text{ mm} \\ \hline 73\text{ cm }\ 1\text{ mm} \end{array}$$

(4)
$$\begin{array}{r} 4\text{ m }\ 71\text{ cm} \\ \times\ 6 \\ \hline 24\text{ m }\ \cancel{426}\text{ cm} \\ 4\text{ m }\ 26\text{ cm} \\ \hline 28\text{ m }\ 26\text{ cm} \end{array}$$

(5)
$$\begin{array}{r} 16\text{ m }\ 64\text{ cm} \\ \times\ 14 \\ \hline 224\text{ m }\ \cancel{896}\text{ cm} \\ 8\text{ m }\ 96\text{ cm} \\ \hline 232\text{ m }\ 96\text{ cm} \end{array}$$

(6)
$$\begin{array}{r} 5\text{ cm }\ 3\text{ mm} \\ 8\overline{)\ 42\text{ cm }\ 4\text{ mm}} \\ \underline{40} \\ 2\text{ cm}= 20\text{ mm} \\ \underline{24} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

(7)
$$\begin{array}{r} 9\text{ m }\ 84\text{ cm} \\ \times\ 14 \\ \hline 126\text{ m}\cancel{1176}\text{ cm} \\ 11\text{ m }\ 76\text{ cm} \\ \hline 137\text{ m }\ 76\text{ cm} \end{array}$$

(8)
$$\begin{array}{r} 12\text{ cm }\ 6\text{ mm} \\ 12\overline{)\ 151\text{ cm }\ 2\text{ mm}} \\ \underline{144} \\ 7\text{ cm}= 70\text{ mm} \\ \underline{72} \\ 72 \\ \underline{72} \\ 0 \end{array}$$

(9)
$$\begin{array}{r} 12\text{ m }\ 75\text{ cm} \\ \times\ 9 \\ \hline 108\text{ m }\ \cancel{675}\text{ cm} \\ 6\text{ m }\ 75\text{ cm} \\ \hline 114\text{ m }\ 75\text{ cm} \end{array}$$

(10)
$$\begin{array}{r} 17\text{ m }\ 95\text{ cm} \\ 18\overline{)\ 323\text{ m }\ 10\text{ cm}} \\ \underline{306} \\ 17\text{ m}=1700\text{ cm} \\ \underline{1710} \\ 1710 \\ \underline{1710} \\ 0 \end{array}$$

(11)
$$\begin{array}{r} 9\text{ cm }\ 2\text{ mm} \\ \times\ 7 \\ \hline 63\text{ cm }\ \cancel{14}\text{ mm} \\ 1\text{ cm }\ 4\text{ mm} \\ \hline 64\text{ cm }\ 4\text{ mm} \end{array}$$

Y **114 m 75 cm**

O **5 cm 3 mm**

E **64 cm 4 mm**

M **17 m 95 cm**

H **76 cm 3 mm**

C **4 cm 1 mm**

D **137 m 76 cm**

L **28 m 26 cm**

I **73 cm 1 mm**

A **12 cm 6 mm**

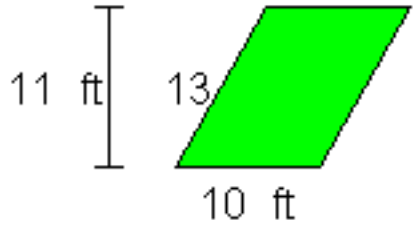
T **232 m 96 cm**

1	2	3	2	4	5	6	1	7

Why did the ant elope?

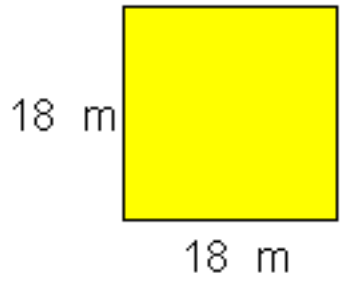
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



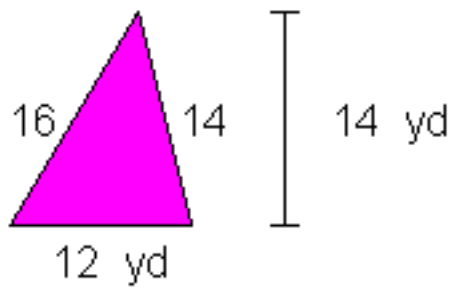
(1) Area: _____

(2) Perimeter: _____



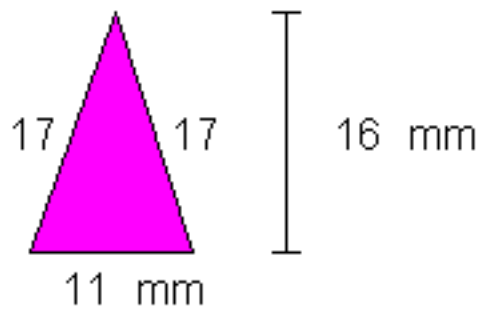
(3) Area: _____

(4) Perimeter: _____



(5) Area: _____

(6) Perimeter: _____



(7) Area: _____

Y	84
D	72
G	42
B	324
O	46
U	88
N	110

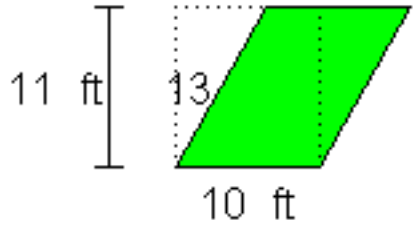
N	O	B	O	D	Y
1	2	3	2	4	5

G	N	U
6	1	7

Why did the ant elope?

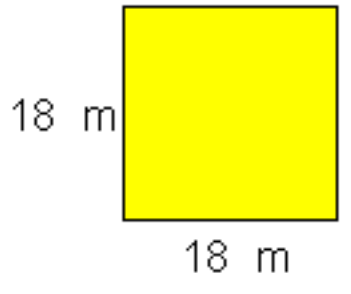
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



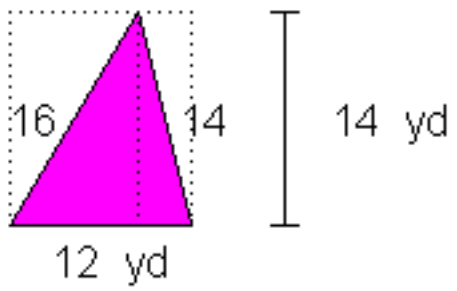
(1) Area: 110 ft^2

(2) Perimeter: 46 ft



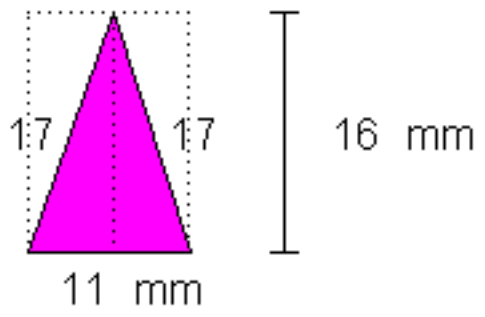
(3) Area: 324 m^2

(4) Perimeter: 72 m



(5) Area: 84 yd^2

(6) Perimeter: 42 yd



(7) Area: 88 mm^2

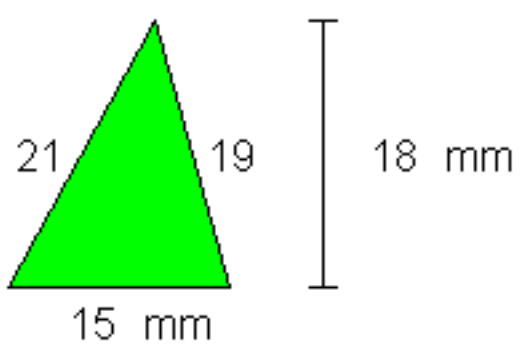
Y	84
D	72
G	42
B	324
O	46
U	88
N	110

1	2	3	4	5	6	2	7	3	8	2	7

How can you tell the difference between a can of chicken soup and a can of tomato soup?

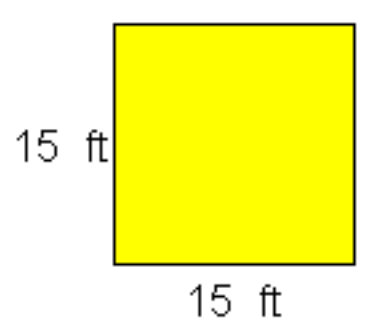
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



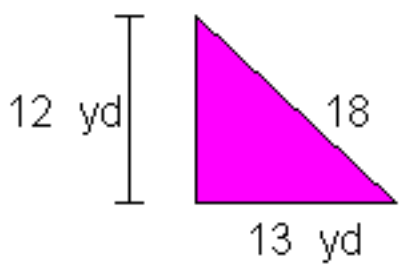
(1) Area: _____

(2) Perimeter: _____



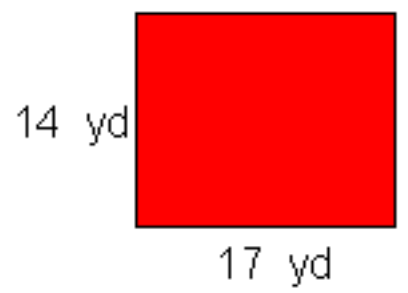
(3) Area: _____

(4) Perimeter: _____



(5) Area: _____

(6) Perimeter: _____



(7) Area: _____

(8) Perimeter: _____

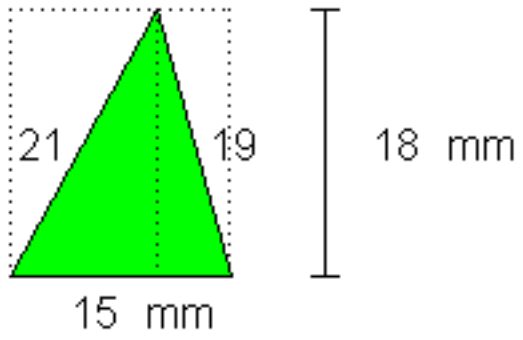
R	135
A	225
E	55
H	43
T	78
L	238
B	62
D	60

R	E	A	D		T	H	E		L	A	B	E	L
1	2	3	4		5	6	2		7	3	8	2	7

How can you tell the difference between a can of chicken soup and a can of tomato soup?

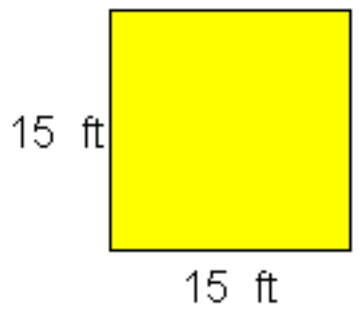
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



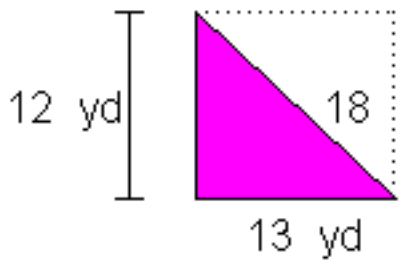
(1) Area: 135 mm^2

(2) Perimeter: 55 mm



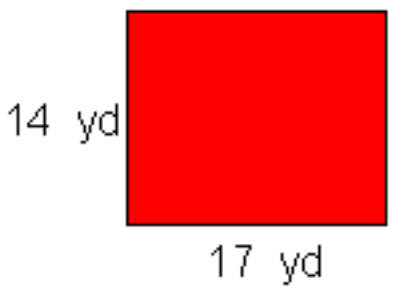
(3) Area: 225 ft^2

(4) Perimeter: 60 ft



(5) Area: 78 yd^2

(6) Perimeter: 43 yd



(7) Area: 238 yd^2

(8) Perimeter: 62 yd

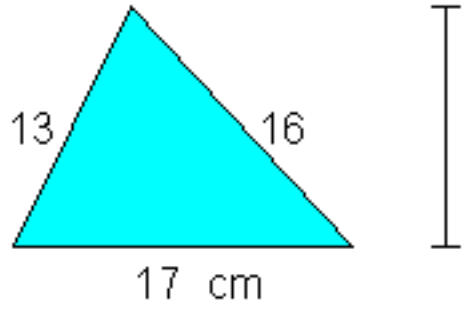
R	135
A	225
E	55
H	43
T	78
L	238
B	62
D	60

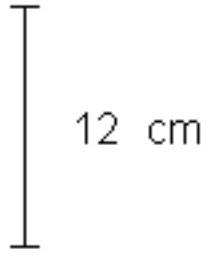
1	2	3	4	5	6	7	8	9	9	8	10

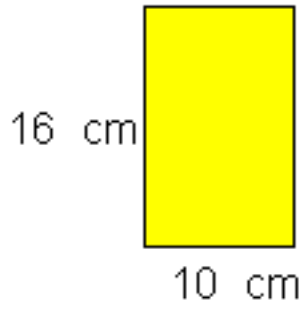
Who wrote the book "Chased by a Werewolf"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:





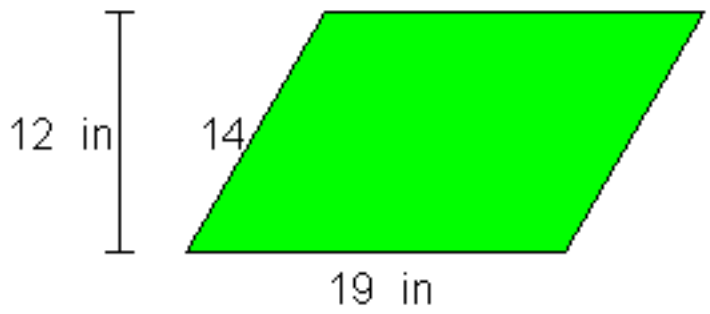


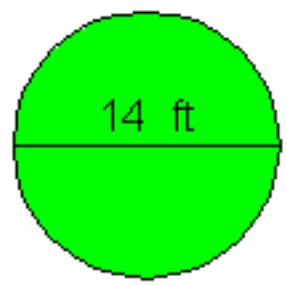
(1) Area: _____

(2) Perimeter: _____

(3) Area: _____

(4) Perimeter: _____



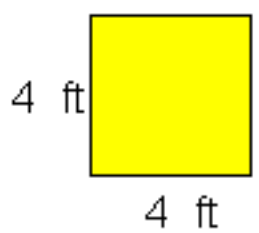


(5) Area: _____

(6) Perimeter: _____

(7) Area: _____

(8) Circumference: _____



(9) Area: _____

(10) Perimeter: _____

B	153.86
U	52
A	160
E	66
D	228
O	43.96
T	16
C	102
M	16
L	46

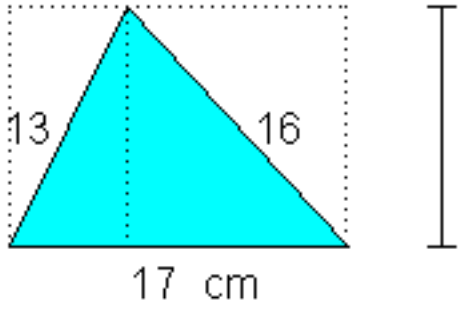
C	L	A	U	D	E
1	2	3	4	5	6

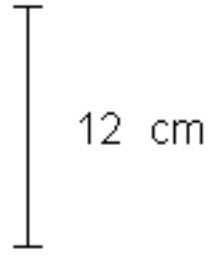
B	O	T	T	O	M
7	8	9	9	8	10

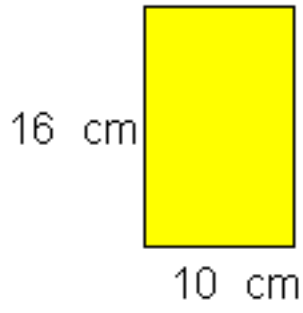
Who wrote the book "Chased by a Werewolf"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:





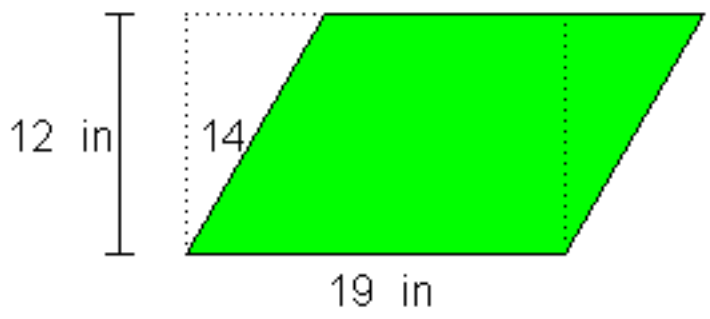


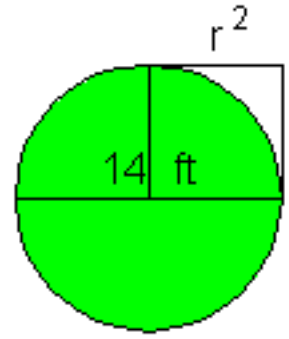
(1) Area: 102 cm^2

(3) Area: 160 cm^2

(2) Perimeter: 46 cm

(4) Perimeter: 52 cm



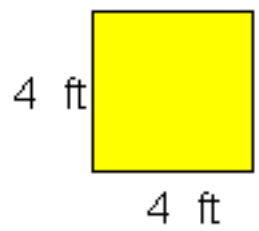


(5) Area: 228 in^2

(7) Area: 153.86 ft^2

(6) Perimeter: 66 in

(8) Circumference: 43.96 ft



(9) Area: 16 ft^2

(10) Perimeter: 16 ft

(B) 153.86

(U) 52

(A) 160

(E) 66

(D) 228

(O) 43.96

(T) 16

(C) 102

(M) 16

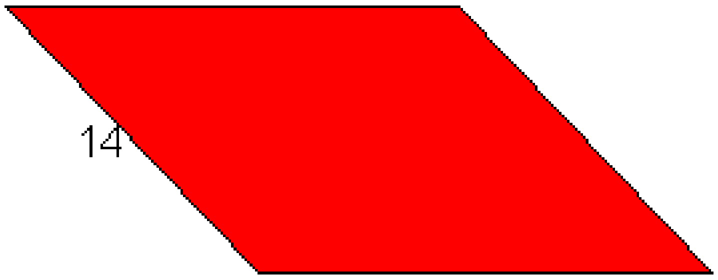
(L) 46

1	2	3		4	3		5	6		7		
3	7	8	3	7	6		8	2	9			

How do you make a chameleon dizzy?

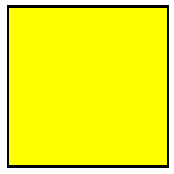
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



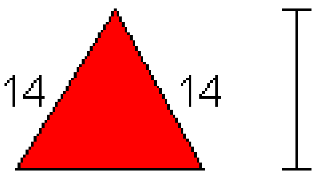
(1) Area: ______

(2) Perimeter: ______



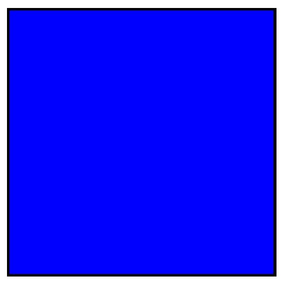
(3) Area: ______

(4) Perimeter: ______



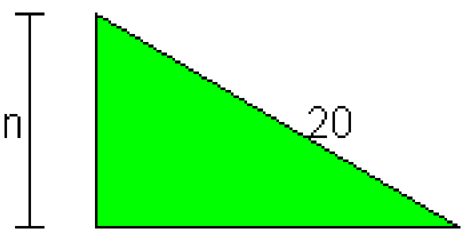
(5) Area: ______

(6) Perimeter: ______



(7) Area: ______

(8) Perimeter: ______



(9) Area: ______

- (T) 49
- (U) 62
- (G) 85
- (I) 28
- (O) 84
- (R) 8
- (P) 170
- (A) 4
- (N) 42

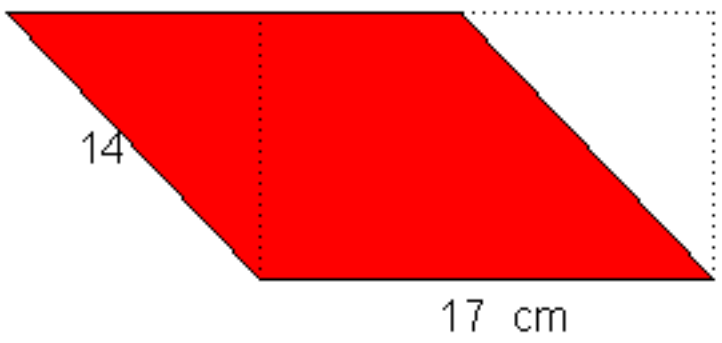
P	U	T		I	T		O	N		A
1	2	3		4	3		5	6		7

T	A	R	T	A	N		R	U	G
3	7	8	3	7	6		8	2	9

How do you make a chameleon dizzy?

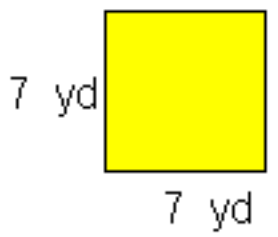
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



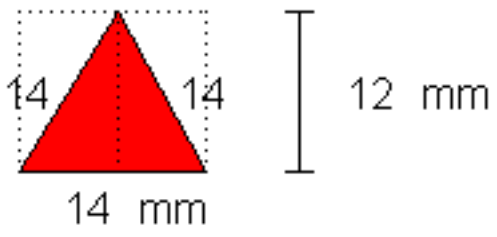
(1) Area: 170 cm^2

(2) Perimeter: 62 cm



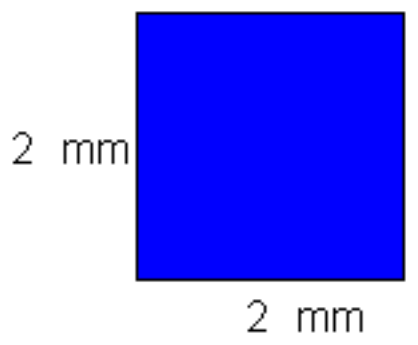
(3) Area: 49 yd^2

(4) Perimeter: 28 yd



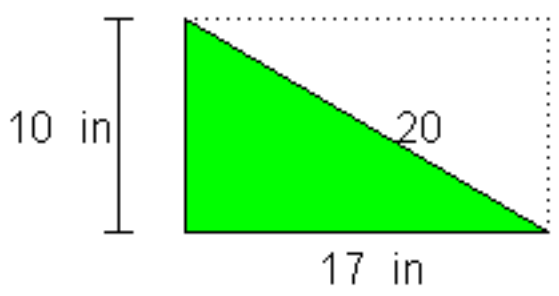
(5) Area: 84 mm^2

(6) Perimeter: 42 mm



(7) Area: 4 mm^2

(8) Perimeter: 8 mm



(9) Area: 85 in^2

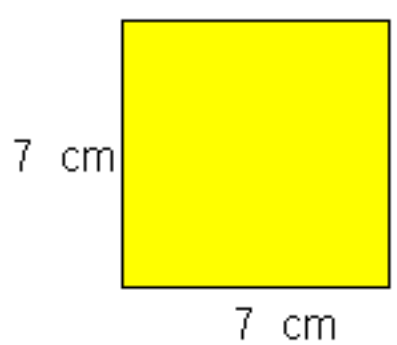
T	49
U	62
G	85
I	28
O	84
R	8
P	170
A	4
N	42

1		2	3	4	1	5	3		4	6	7	8

What is a myth?

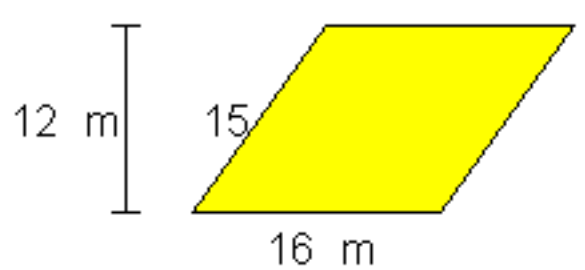
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



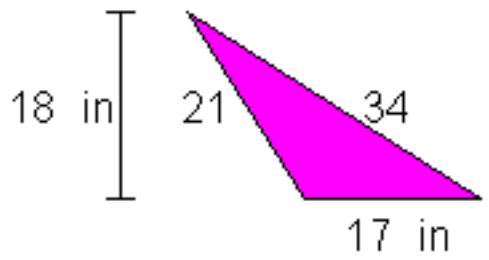
(1) Area: _____

(2) Perimeter: _____



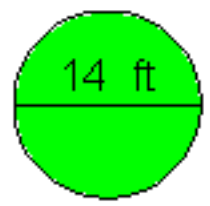
(3) Area: _____

(4) Perimeter: _____



(5) Area: _____

(6) Perimeter: _____



(7) Area: _____

(8) Circumference: _____

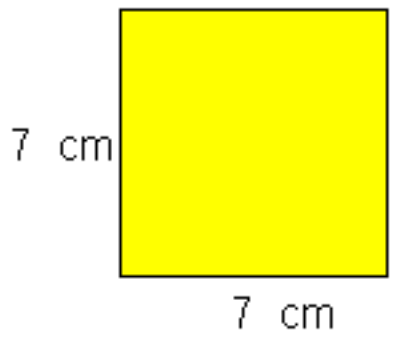
F	28
O	72
M	62
T	153.86
A	49
H	43.96
L	153
E	192

A	F	E	M	A	L	E	M	O	T	H
1	2	3	4	1	5	3	4	6	7	8

What is a myth?

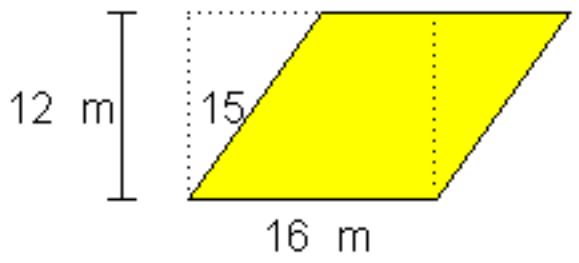
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



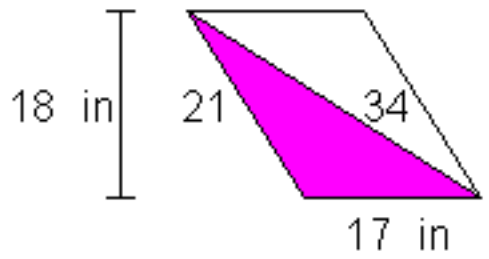
(1) Area: 49 cm^2

(2) Perimeter: 28 cm



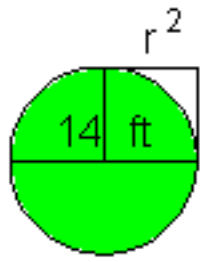
(3) Area: 192 m^2

(4) Perimeter: 62 m



(5) Area: 153 in^2

(6) Perimeter: 72 in



(7) Area: 153.86 ft^2

(8) Circumference: 43.96 ft

F	28
O	72
M	62
T	153.86
A	49
H	43.96
L	153
E	192

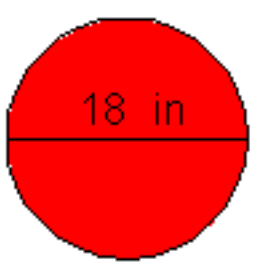
1	2	3	4	5	3	6	1	7	6

8	9	7	10	11

Why didn't the two worms go onto Noah's Ark in an apple?

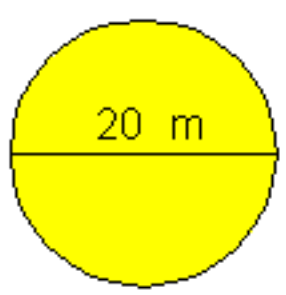
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



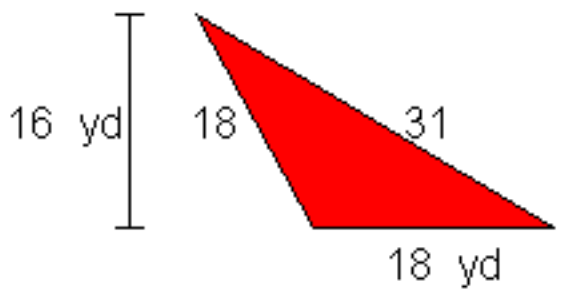
(1) Area: _____

(2) Circumference: _____



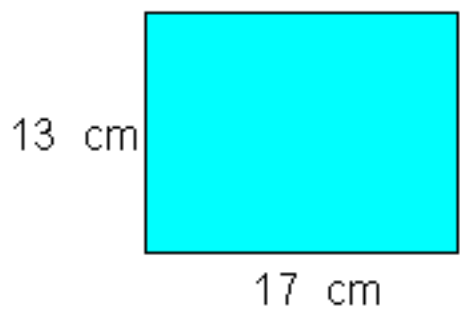
(3) Area: _____

(4) Circumference: _____



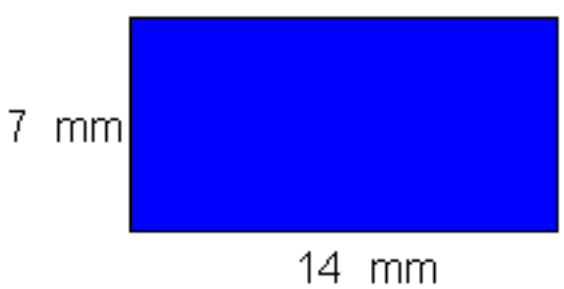
(5) Area: _____

(6) Perimeter: _____



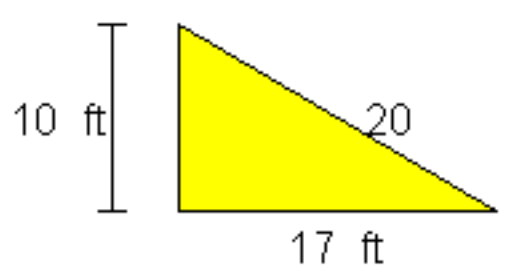
(7) Area: _____

(8) Perimeter: _____



(9) Area: _____

(10) Perimeter: _____



(11) Area: _____

I	221
R	42
N	67
H	56.52
T	254.34
Y	62.8
P	60
E	314
W	144
A	98
S	85

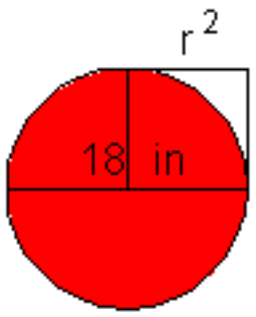
T	H	E	Y		W	E	N	T		I	N
1	2	3	4		5	3	6	1		7	6

P	A	I	R	S
8	9	7	10	11

Why didn't the two worms go onto Noah's Ark in an apple?

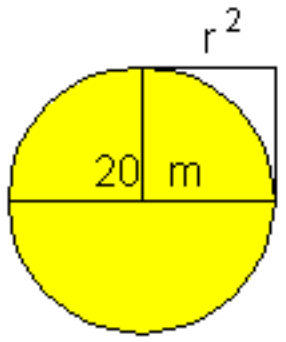
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



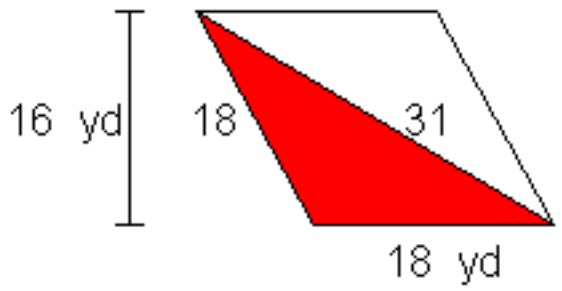
(1) Area: 254.34 in^2

(2) Circumference: 56.52 in



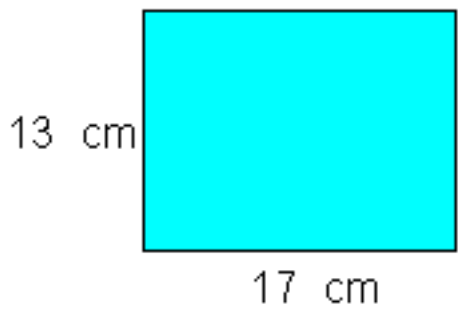
(3) Area: 314 m^2

(4) Circumference: 62.8 m



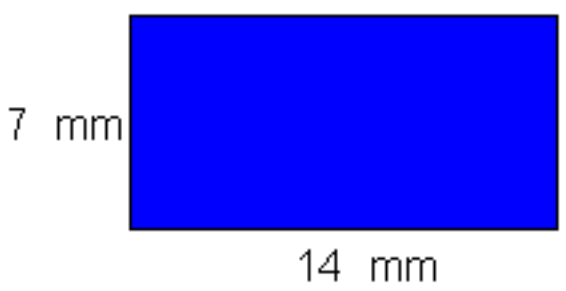
(5) Area: 144 yd^2

(6) Perimeter: 67 yd



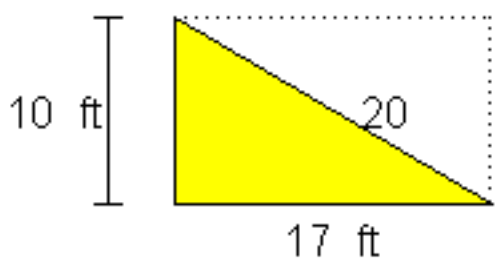
(7) Area: 221 cm^2

(8) Perimeter: 60 cm



(9) Area: 98 mm^2

(10) Perimeter: 42 mm



(11) Area: 85 ft^2

I	221
R	42
N	67
H	56.52
T	254.34
Y	62.8
P	60
E	314
W	144
A	98
S	85

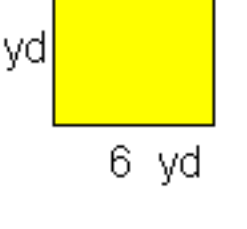
1	2		3	4	5	4	6	7	1	2	8

2	9	9	2	3

Why did the termite eat a sofa and two chairs?

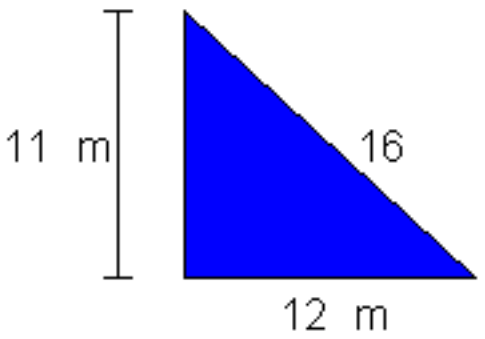
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



(1) Area: _____

(2) Circumference: _____

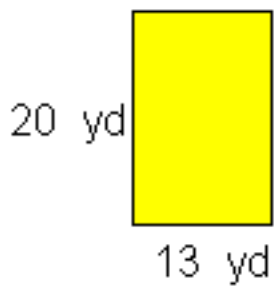


(5) Area: _____

(6) Perimeter: _____

(3) Area: _____

(4) Perimeter: _____



(7) Area: _____

(8) Perimeter: _____

(9) Area: _____

O	36
A	62
H	234
T	50.24
U	260
D	66
E	66
S	39
I	200.96

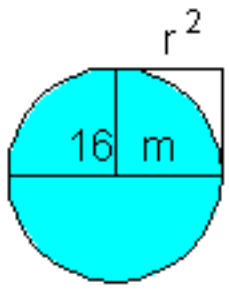
I	T		H	A	D		A		S	U	I	T	E
1	2		3	4	5		4		6	7	1	2	8

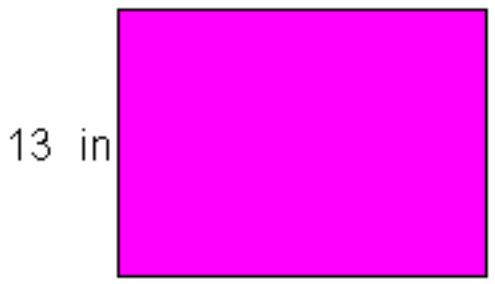
T	O	O	T	H
2	9	9	2	3

Why did the termite eat a sofa and two chairs?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



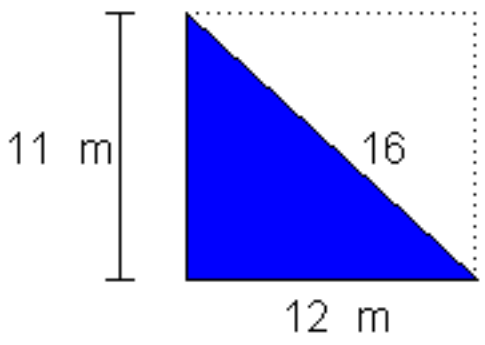


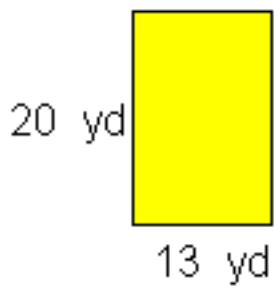
(1) Area: 200.96 m^2

(2) Circumference: 50.24 m

(3) Area: 234 in^2

(4) Perimeter: 62 in



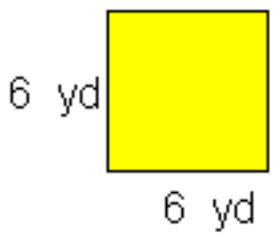


(5) Area: 66 m^2

(6) Perimeter: 39 m

(7) Area: 260 yd^2

(8) Perimeter: 66 yd



(9) Area: 36 yd^2

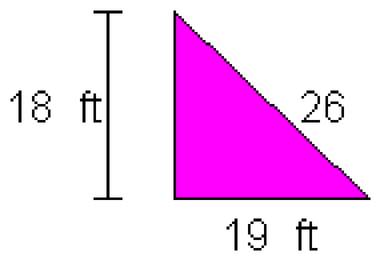
O	36
A	62
H	234
T	50.24
U	260
D	66
E	66
S	39
I	200.96

1	2		1	3	3	4	5	2	6		1	2	6

What ant is good at math?

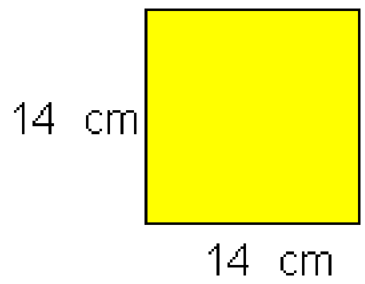
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



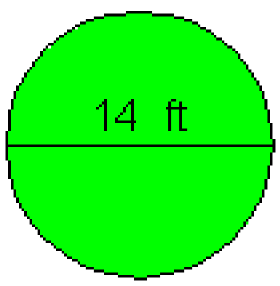
(1) Area: _______

(2) Perimeter: _______



(3) Area: _______

(4) Perimeter: _______



(5) Area: _______

(6) Circumference: _______

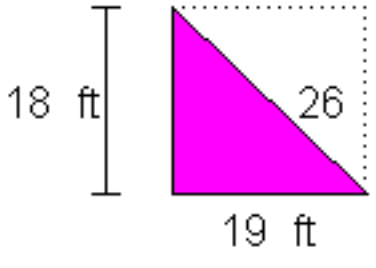
- (A) 171
- (U) 153.86
- (T) 43.96
- (N) 63
- (O) 56
- (C) 196

A	N		A	C	C	O	U	N	T		A	N	T
1	2		1	3	3	4	5	2	6		1	2	6

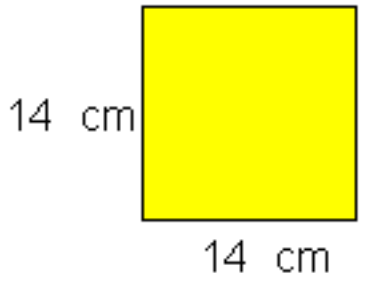
What ant is good at math?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



(1) Area: 171 ft^2

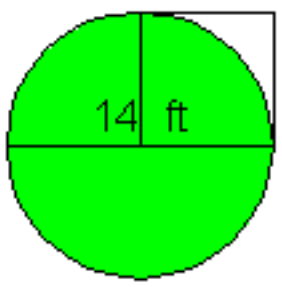


(3) Area: 196 cm^2

(2) Perimeter: 63 ft

(4) Perimeter: 56 cm

r^2



(5) Area: 153.86 ft^2

(6) Circumference: 43.96 ft

(A) 171

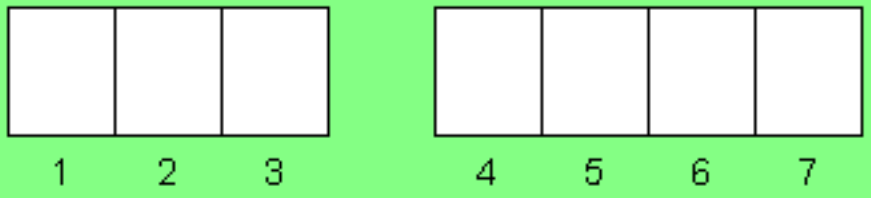
(U) 153.86

(T) 43.96

(N) 63

(O) 56

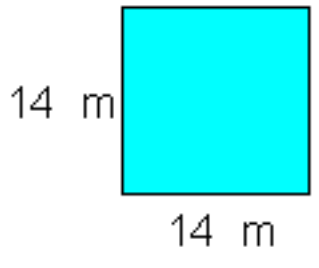
(C) 196



Who wrote the book "Keeping Pet Snakes"?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:

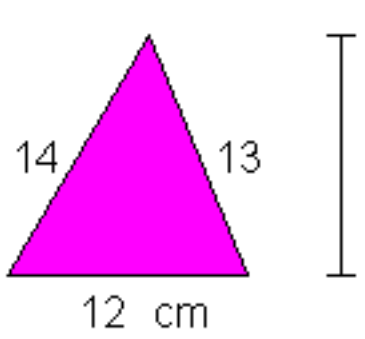


(1) Area: _____

(2) Perimeter: _____

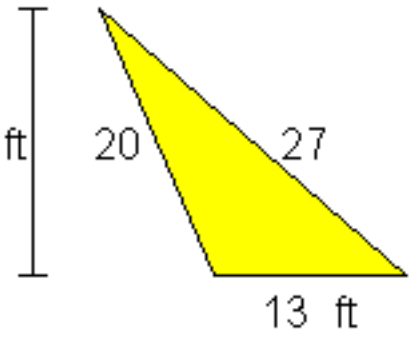
(3) Area: _____

(4) Circumference: _____



(5) Area: _____

(6) Perimeter: _____



(7) Area: _____

P	43.96
N	39
R	153.86
S	196
E	72
I	56
T	117

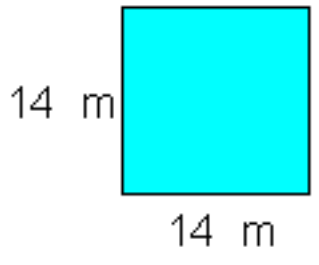
S	I	R
1	2	3

P	E	N	T
4	5	6	7

Who wrote the book "Keeping Pet Snakes"?

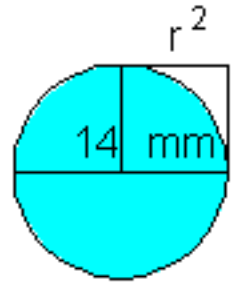
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



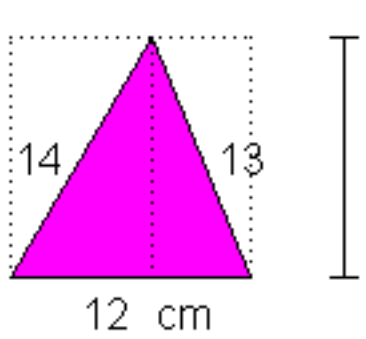
(1) Area: 196 m^2

(2) Perimeter: 56 m



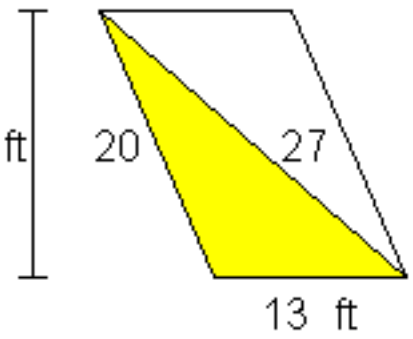
(3) Area: 153.86 mm^2

(4) Circumference: 43.96 mm



(5) Area: 72 cm^2

(6) Perimeter: 39 cm



(7) Area: 117 ft^2

P	43.96
N	39
R	153.86
S	196
E	72
I	56
T	117

1		2	3	4	5	6	7	1	

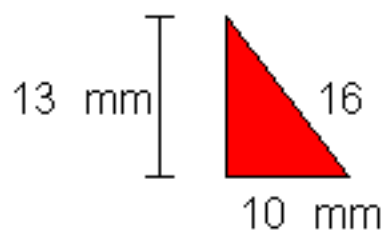
8	9	4							

10	3	1	11						

What is the definition of a caterpillar?

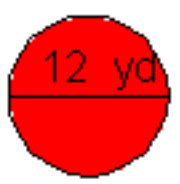
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



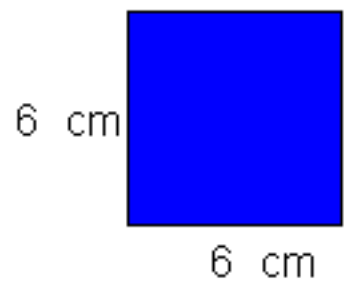
(1) Area: _____

(2) Perimeter: _____



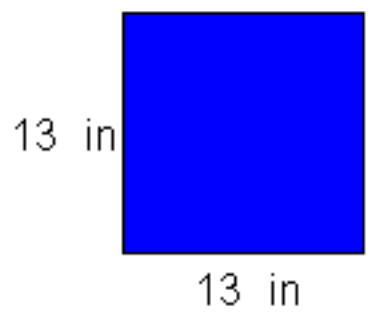
(3) Area: _____

(4) Circumference: _____



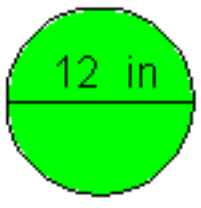
(5) Area: _____

(6) Perimeter: _____



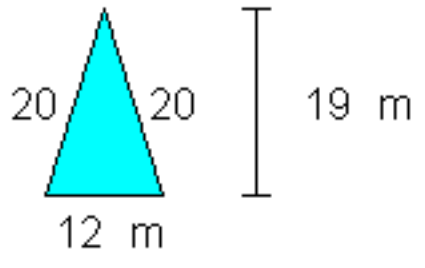
(7) Area: _____

(8) Perimeter: _____



(9) Area: _____

(10) Circumference: _____



(11) Area: _____

(I) 24

(W) 39

(A) 65

(R) 37.68

(T) 114

(M) 36

(C) 37.68

(N) 169

(U) 113.04

(O) 113.04

(F) 52

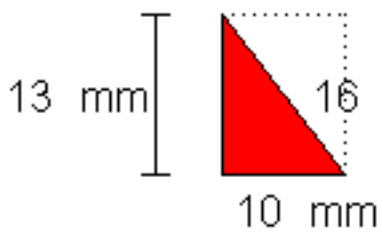
A	W	O	R	M		I	N		A		F	U	R
1	2	3	4	5		6	7		1		8	9	4

C	O	A	T
10	3	1	11

What is the definition of a caterpillar?

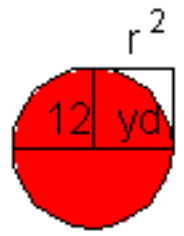
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

Use pi = 3.14 and round answers to 2 decimal places:



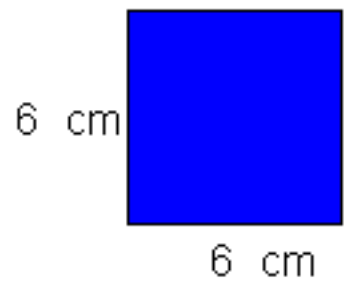
(1) Area: 65 mm^2

(2) Perimeter: 39 mm



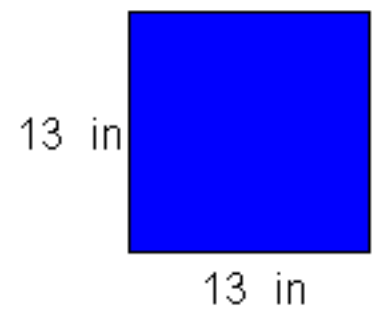
(3) Area: 113.04 yd^2

(4) Circumference: 37.68 yd



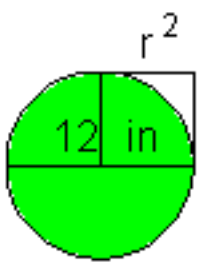
(5) Area: 36 cm^2

(6) Perimeter: 24 cm



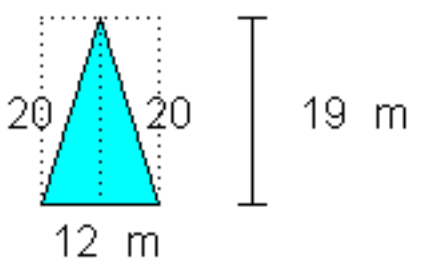
(7) Area: 169 in^2

(8) Perimeter: 52 in



(9) Area: 113.04 in^2

(10) Circumference: 37.68 in



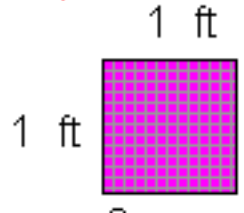
(11) Area: 114 m^2

I	24
W	39
A	65
R	37.68
T	114
M	36
C	37.68
N	169
U	113.04
O	113.04
F	52

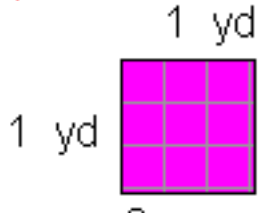
1	2	3	4	5	6	7	8	9	10	11	11	3

Who did the vampire fall in love with?

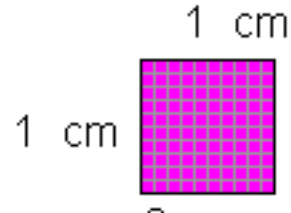
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



1 ft^2 = 144 in^2



1 yd^2 = 9 ft^2



1 cm^2 = 100 mm^2

(1) 18 ft^2 = _____ yd^2

(2) 1296 in^2 = _____ ft^2

(3) 45 ft^2 = _____ yd^2

(4) 13.38 cm^2 = _____ mm^2

(5) 54 ft^2 = _____ yd^2

(6) 9.25 cm^2 = _____ mm^2

(7) 1664 mm^2 = _____ cm^2

(8) 864 in^2 = _____ ft^2

(9) 9 ft^2 = _____ in^2

(10) 6 ft^2 = _____ in^2

(11) 9 yd^2 = _____ ft^2

(I) 9

(K) 6

(D) 864

(S) 1296

(N) 6

(G) 2

(L) 1338

(R) 5

(E) 925

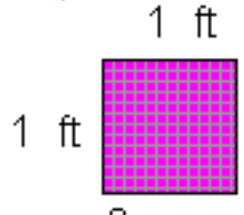
(O) 81

(C) 16.64

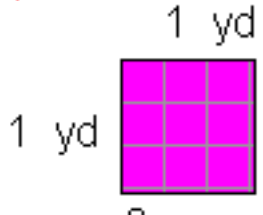
G	I	R	L		N	E	C	K	S		D	O	O	R
1	2	3	4		5	6	7	8	9		10	11	11	3

Who did the vampire fall in love with?

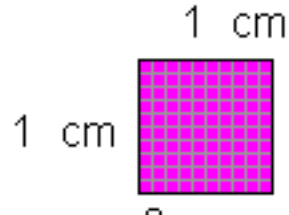
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $18\ ft^2 = \_\_\_\_\_\ yd^2$

$18\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 2\ yd^2$

(2) $1296\ in^2 = \_\_\_\_\_\ ft^2$

$1296\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 9\ ft^2$

(3) $45\ ft^2 = \_\_\_\_\_\ yd^2$

$45\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 5\ yd^2$

(4) $13.38\ cm^2 = \_\_\_\_\_\ mm^2$

$13.38\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1338\ mm^2$

(5) $54\ ft^2 = \_\_\_\_\_\ yd^2$

$54\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 6\ yd^2$

(6) $9.25\ cm^2 = \_\_\_\_\_\ mm^2$

$9.25\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 925\ mm^2$

(7) $1664\ mm^2 = \_\_\_\_\_\ cm^2$

$1664\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 16.64\ cm^2$

(8) $864\ in^2 = \_\_\_\_\_\ ft^2$

$864\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 6\ ft^2$

(9) $9\ ft^2 = \_\_\_\_\_\ in^2$

$9\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 1296\ in^2$

(10) $6\ ft^2 = \_\_\_\_\_\ in^2$

$6\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 864\ in^2$

(11) $9\ yd^2 = \_\_\_\_\_\ ft^2$

$9\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 81\ ft^2$

(I) 9

(K) 6

(D) 864

(S) 1296

(N) 6

(G) 2

(L) 1338

(R) 5

(E) 925

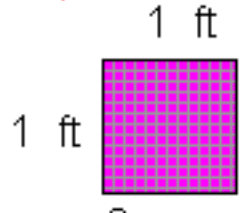
(O) 81

(C) 16.64

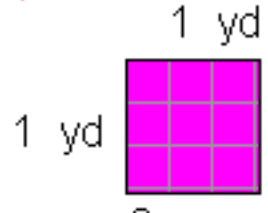
			3	4	5	1	6	7	4				
1	2	2											
3	6	7	4	7						10	6	11	12
					5	1	8	9					

What animal can jump higher than a bus?

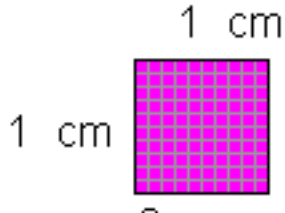
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



1 ft^2 = 144 in^2



1 yd^2 = 9 ft^2



1 cm^2 = 100 mm^2

(1) 1578 mm^2 = _____ cm^2

(2) 18 ft^2 = _____ yd^2

(3) 410 mm^2 = _____ cm^2

(4) 2 yd^2 = _____ ft^2

(5) 576 in^2 = _____ ft^2

(6) 9.91 cm^2 = _____ mm^2

(7) 36 ft^2 = _____ yd^2

(8) 288 in^2 = _____ ft^2

(9) 629 mm^2 = _____ cm^2

(10) 8 ft^2 = _____ in^2

(11) 312 mm^2 = _____ cm^2

(12) 81 ft^2 = _____ yd^2

(S) 4

(T) 6.29

(A) 15.78

(E) 18

(M) 3.12

(N) 2

(B) 4.1

(U) 991

(J) 1152

(P) 9

(C) 4

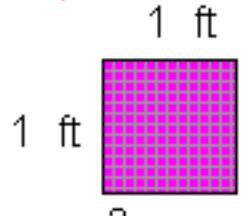
(L) 2

A	L	L		B	E	C	A	U	S	E
1	2	2		3	4	5	1	6	7	4

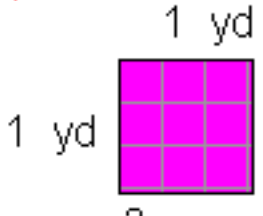
B	U	S	E	S		C	A	N	T		J	U	M	P
3	6	7	4	7		5	1	8	9		10	6	11	12

What animal can jump higher than a bus?

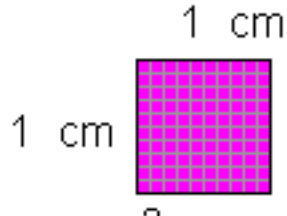
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $1578\ mm^2 = \_\_\_\_\_\ cm^2$

$1578\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 15.78\ cm^2$

(2) $18\ ft^2 = \_\_\_\_\_\ yd^2$

$18\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 2\ yd^2$

(3) $410\ mm^2 = \_\_\_\_\_\ cm^2$

$410\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 4.1\ cm^2$

(4) $2\ yd^2 = \_\_\_\_\_\ ft^2$

$2\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 18\ ft^2$

(5) $576\ in^2 = \_\_\_\_\_\ ft^2$

$576\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 4\ ft^2$

(6) $9.91\ cm^2 = \_\_\_\_\_\ mm^2$

$9.91\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 991\ mm^2$

(7) $36\ ft^2 = \_\_\_\_\_\ yd^2$

$36\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 4\ yd^2$

(8) $288\ in^2 = \_\_\_\_\_\ ft^2$

$288\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 2\ ft^2$

(9) $629\ mm^2 = \_\_\_\_\_\ cm^2$

$629\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 6.29\ cm^2$

(10) $8\ ft^2 = \_\_\_\_\_\ in^2$

$8\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 1152\ in^2$

(11) $312\ mm^2 = \_\_\_\_\_\ cm^2$

$312\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 3.12\ cm^2$

(12) $81\ ft^2 = \_\_\_\_\_\ yd^2$

$81\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 9\ yd^2$

(S) 4

(T) 6.29

(A) 15.78

(E) 18

(M) 3.12

(N) 2

(B) 4.1

(U) 991

(J) 1152

(P) 9

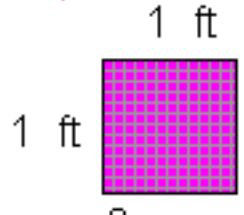
(C) 4

(L) 2

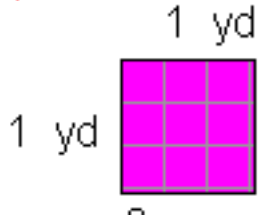
1	2	3	4	5	1		4	6	7	8	1	5	9	10	11				

What do female monsters look for at parties?

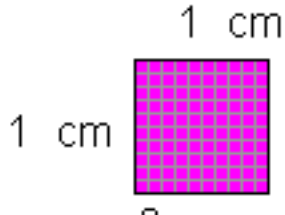
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $144\ in^2 =$ _____ ft^2

(2) $10.29\ cm^2 =$ _____ mm^2

(3) $4\ yd^2 =$ _____ ft^2

(4) $432\ in^2 =$ _____ ft^2

(5) $45\ ft^2 =$ _____ yd^2

(6) $17.37\ cm^2 =$ _____ mm^2

(7) $657\ mm^2 =$ _____ cm^2

(8) $144\ in^2 =$ _____ ft^2

(9) $288\ in^2 =$ _____ ft^2

(10) $720\ in^2 =$ _____ ft^2

(11) $9\ ft^2 =$ _____ yd^2

(O) 2

(A) 1737

(I) 36

(C) 6.57

(B) 3

(H) 1

(E) 1

(S) 1

(L) 5

(R) 5

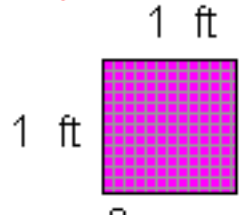
(D) 1029

E	D	I	B	L	E
1	2	3	4	5	1

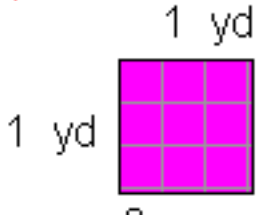
B	A	C	H	E	L	O	R	S
4	6	7	8	1	5	9	10	11

What do female monsters look for at parties?

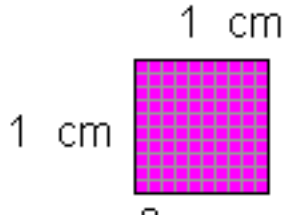
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $144\ in^2 = \_\_\_\_\_\ ft^2$

$144\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 1\ ft^2$

(2) $10.29\ cm^2 = \_\_\_\_\_\ mm^2$

$10.29\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1029\ mm^2$

(3) $4\ yd^2 = \_\_\_\_\_\ ft^2$

$4\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 36\ ft^2$

(4) $432\ in^2 = \_\_\_\_\_\ ft^2$

$432\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 3\ ft^2$

(5) $45\ ft^2 = \_\_\_\_\_\ yd^2$

$45\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 5\ yd^2$

(6) $17.37\ cm^2 = \_\_\_\_\_\ mm^2$

$17.37\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1737\ mm^2$

(7) $657\ mm^2 = \_\_\_\_\_\ cm^2$

$657\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 6.57\ cm^2$

(8) $144\ in^2 = \_\_\_\_\_\ ft^2$

$144\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 1\ ft^2$

(9) $288\ in^2 = \_\_\_\_\_\ ft^2$

$288\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 2\ ft^2$

(10) $720\ in^2 = \_\_\_\_\_\ ft^2$

$720\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 5\ ft^2$

(11) $9\ ft^2 = \_\_\_\_\_\ yd^2$

$9\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 1\ yd^2$

(O) 2

(A) 1737

(I) 36

(C) 6.57

(B) 3

(H) 1

(E) 1

(S) 1

(L) 5

(R) 5

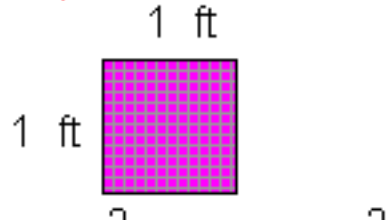
(D) 1029

1	2	3	4	4	1	5	4	6	7	2	2	8

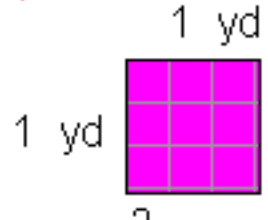
3	5	2	9

Why did the moth eat a hole in the rug?

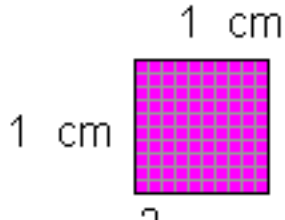
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $54\ ft^2$ = _____ yd^2

(2) $218\ mm^2$ = _____ cm^2

(3) $1440\ in^2$ = _____ ft^2

(4) $17.5\ cm^2$ = _____ mm^2

(5) $1687\ mm^2$ = _____ cm^2

(6) $72\ ft^2$ = _____ yd^2

(7) $5\ yd^2$ = _____ ft^2

(8) $7\ ft^2$ = _____ in^2

(9) $8\ yd^2$ = _____ ft^2

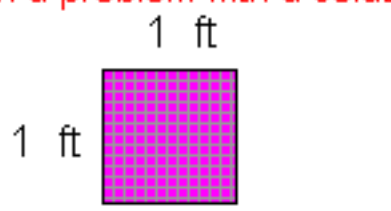
E	1750
O	2.18
T	6
L	45
W	72
R	1008
F	8
H	16.87
S	10

T	O		S	E	E		T	H	E		F	L	O	O	R
1	2		3	4	4		1	5	4		6	7	2	2	8

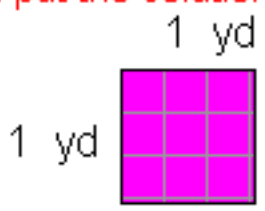
S	H	O	W
3	5	2	9

Why did the moth eat a hole in the rug?

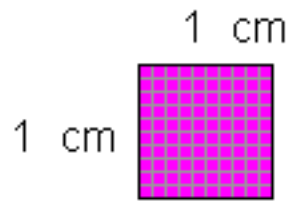
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(E) 1750

(O) 2.18

(T) 6

(L) 45

(W) 72

(1) $54\ ft^2 = \_\_\_\_\_\ yd^2$

$54\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 6\ yd^2$

(2) $218\ mm^2 = \_\_\_\_\_\ cm^2$

$218\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 2.18\ cm^2$

(3) $1440\ in^2 = \_\_\_\_\_\ ft^2$

$1440\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 10\ ft^2$

(4) $17.5\ cm^2 = \_\_\_\_\_\ mm^2$

$17.5\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1750\ mm^2$

(R) 1008

(F) 8

(H) 16.87

(S) 10

(5) $1687\ mm^2 = \_\_\_\_\_\ cm^2$

$1687\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 16.87\ cm^2$

(6) $72\ ft^2 = \_\_\_\_\_\ yd^2$

$72\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 8\ yd^2$

(7) $5\ yd^2 = \_\_\_\_\_\ ft^2$

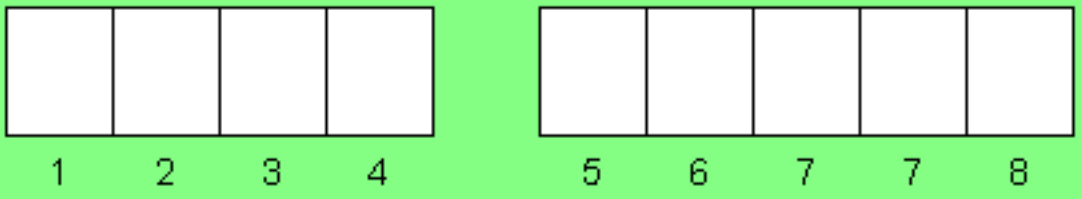
$5\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 45\ ft^2$

(8) $7\ ft^2 = \_\_\_\_\_\ in^2$

$7\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 1008\ in^2$

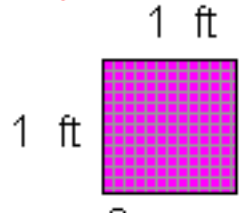
(9) $8\ yd^2 = \_\_\_\_\_\ ft^2$

$8\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 72\ ft^2$

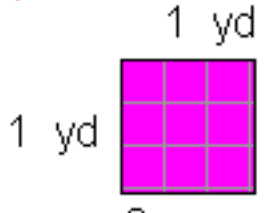


Who wrote the book "Keeping Vampirs Out"?

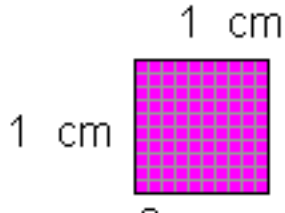
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $17.2\ cm^2 =$ _____ mm^2

(2) $1152\ in^2 =$ _____ ft^2

(3) $2\ yd^2 =$ _____ ft^2

(4) $18\ ft^2 =$ _____ yd^2

(5) $3\ ft^2 =$ _____ in^2

(6) $12.15\ cm^2 =$ _____ mm^2

(7) $288\ in^2 =$ _____ ft^2

(8) $2\ yd^2 =$ _____ ft^2

Ⓐ 2

Ⓡ 18

Ⓞ 8

Ⓛ 18

Ⓣ 1215

Ⓓ 1720

Ⓔ 2

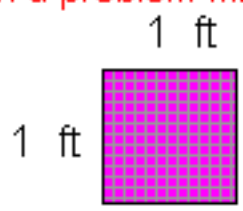
Ⓢ 432

D	O	R	A
1	2	3	4

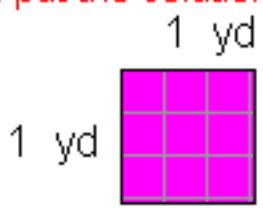
S	T	E	E	L
5	6	7	7	8

Who wrote the book "Keeping Vampirs Out"?

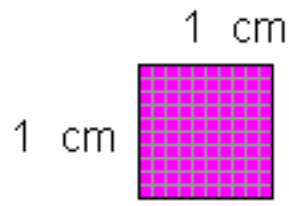
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(A) 2

(R) 18

(O) 8

(L) 18

(T) 1215

(1) $17.2\ cm^2 = \_\_\_\_\_\ mm^2$

$$17.2\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1720\ mm^2$$

(2) $1152\ in^2 = \_\_\_\_\_\ ft^2$

$$1152\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 8\ ft^2$$

(3) $2\ yd^2 = \_\_\_\_\_\ ft^2$

$$2\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 18\ ft^2$$

(4) $18\ ft^2 = \_\_\_\_\_\ yd^2$

$$18\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 2\ yd^2$$

(D) 1720

(E) 2

(S) 432

(5) $3\ ft^2 = \_\_\_\_\_\ in^2$

$$3\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 432\ in^2$$

(6) $12.15\ cm^2 = \_\_\_\_\_\ mm^2$

$$12.15\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1215\ mm^2$$

(7) $288\ in^2 = \_\_\_\_\_\ ft^2$

$$288\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 2\ ft^2$$

(8) $2\ yd^2 = \_\_\_\_\_\ ft^2$

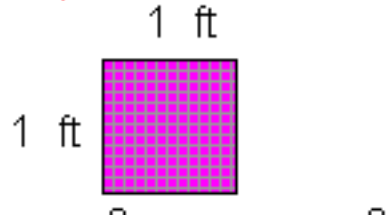
$$2\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 18\ ft^2$$

	1		2	1	3	3	4	5	3	3	6	7	8

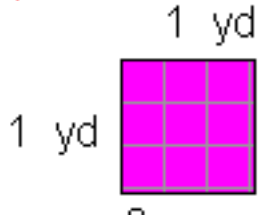
4	7	9	7	10	10	7	2

How do you keep a person in suspense?

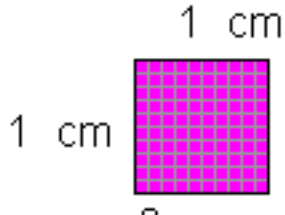
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $4\ yd^2 =$ _____ ft^2

(2) $157\ mm^2 =$ _____ cm^2

(3) $715\ mm^2 =$ _____ cm^2

(4) $4\ yd^2 =$ _____ ft^2

(5) $45\ ft^2 =$ _____ yd^2

(6) $10\ yd^2 =$ _____ ft^2

(7) $72\ ft^2 =$ _____ yd^2

(8) $539\ mm^2 =$ _____ cm^2

(9) $2\ yd^2 =$ _____ ft^2

(10) $5\ yd^2 =$ _____ ft^2

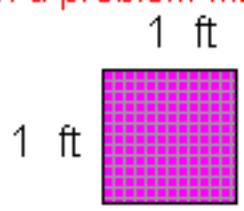
I	36
Y	90
E	5
W	1.57
O	8
L	7.15
M	18
R	45
T	36
U	5.39

I	W	I	L	L	T	E	L	L	Y	O	U
1	2	1	3	3	4	5	3	3	6	7	8

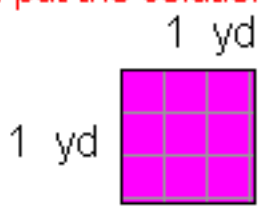
T	O	M	O	R	R	O	W
4	7	9	7	10	10	7	2

How do you keep a person in suspense?

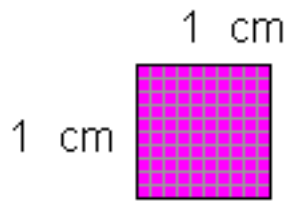
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $4\ yd^2 = \_\_\_\_\_\ ft^2$

$$4\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 36\ ft^2$$

(2) $157\ mm^2 = \_\_\_\_\_\ cm^2$

$$157\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 1.57\ cm^2$$

(3) $715\ mm^2 = \_\_\_\_\_\ cm^2$

$$715\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 7.15\ cm^2$$

(4) $4\ yd^2 = \_\_\_\_\_\ ft^2$

$$4\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 36\ ft^2$$

(5) $45\ ft^2 = \_\_\_\_\_\ yd^2$

$$45\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 5\ yd^2$$

(6) $10\ yd^2 = \_\_\_\_\_\ ft^2$

$$10\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 90\ ft^2$$

(7) $72\ ft^2 = \_\_\_\_\_\ yd^2$

$$72\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 8\ yd^2$$

(8) $539\ mm^2 = \_\_\_\_\_\ cm^2$

$$539\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 5.39\ cm^2$$

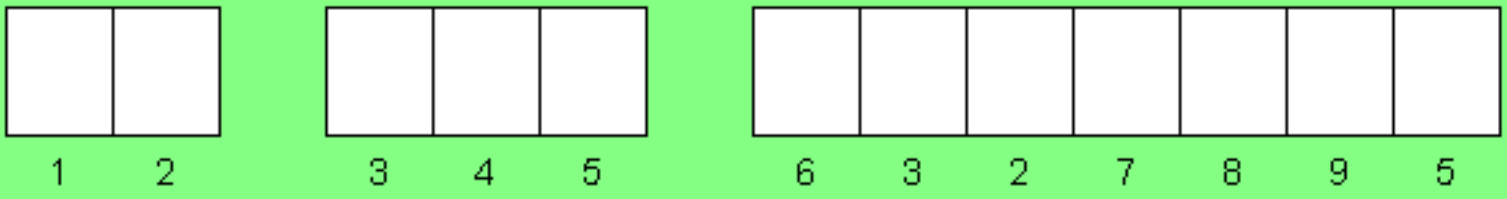
(9) $2\ yd^2 = \_\_\_\_\_\ ft^2$

$$2\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 18\ ft^2$$

(10) $5\ yd^2 = \_\_\_\_\_\ ft^2$

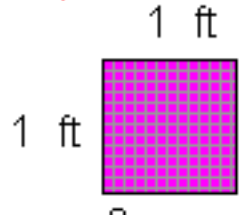
$$5\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 45\ ft^2$$

I	36
Y	90
E	5
W	1.57
O	8
L	7.15
M	18
R	45
T	36
U	5.39

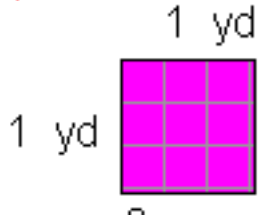


How did the monster count to one hundred?

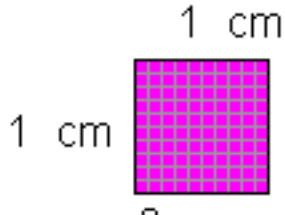
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $1\ yd^2 =$ _____ ft^2

(2) $45\ ft^2 =$ _____ yd^2

(3) $9\ yd^2 =$ _____ ft^2

(4) $786\ mm^2 =$ _____ cm^2

(5) $955\ mm^2 =$ _____ cm^2

(6) $442\ mm^2 =$ _____ cm^2

(7) $7\ ft^2 =$ _____ in^2

(8) $1296\ in^2 =$ _____ ft^2

(9) $63\ ft^2 =$ _____ yd^2

(R) 7

(F) 4.42

(I) 81

(N) 5

(E) 9

(T) 7.86

(G) 1008

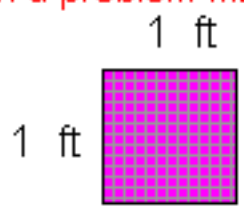
(O) 9

(S) 9.55

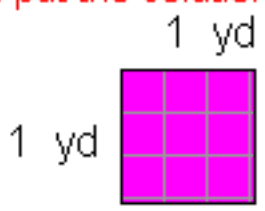
O	N		I	T	S		F	I	N	G	E	R	S
1	2		3	4	5		6	3	2	7	8	9	5

How did the monster count to one hundred?

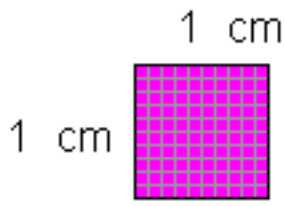
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $1\ yd^2 = \_\_\_\_\_\ ft^2$

$$1\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 9\ ft^2$$

(2) $45\ ft^2 = \_\_\_\_\_\ yd^2$

$$45\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 5\ yd^2$$

(3) $9\ yd^2 = \_\_\_\_\_\ ft^2$

$$9\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 81\ ft^2$$

(4) $786\ mm^2 = \_\_\_\_\_\ cm^2$

$$786\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 7.86\ cm^2$$

(5) $955\ mm^2 = \_\_\_\_\_\ cm^2$

$$955\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 9.55\ cm^2$$

(6) $442\ mm^2 = \_\_\_\_\_\ cm^2$

$$442\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 4.42\ cm^2$$

(7) $7\ ft^2 = \_\_\_\_\_\ in^2$

$$7\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 1008\ in^2$$

(8) $1296\ in^2 = \_\_\_\_\_\ ft^2$

$$1296\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 9\ ft^2$$

(9) $63\ ft^2 = \_\_\_\_\_\ yd^2$

$$63\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 7\ yd^2$$

R 7

F 4.42

I 81

N 5

E 9

T 7.86

G 1008

O 9

S 9.55

1		2	3	4	5	6	7	3	7	8	9	9

What does a vet keep outside her door?

Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.

1 ft

1 ft

1 ft^2 = 144 in^2

1 yd

1 yd

1 yd^2 = 9 ft^2

1 cm

1 cm

1 cm^2 = 100 mm^2

(1) 3.83 cm^2 = _____ mm^2

(2) 4 yd^2 = _____ ft^2

(3) 1 yd^2 = _____ ft^2

(4) 4.23 cm^2 = _____ mm^2

(5) 381 mm^2 = _____ cm^2

(6) 17.24 cm^2 = _____ mm^2

(7) 81 ft^2 = _____ yd^2

(8) 1131 mm^2 = _____ cm^2

(9) 90 ft^2 = _____ yd^2

(L) 423

(U) 11.31

(A) 383

(E) 9

(O) 1724

(C) 3.81

(W) 36

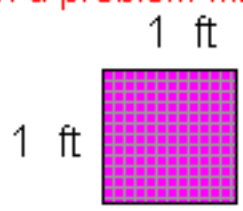
(M) 9

(T) 10

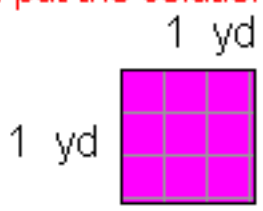
A	W	E	L	C	O	M	E	M	U	T	T
1	2	3	4	5	6	7	3	7	8	9	9

What does a vet keep outside her door?

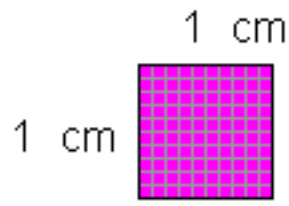
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



1 ft^2 = 144 in^2



1 yd^2 = 9 ft^2



1 cm^2 = 100 mm^2

(L) 423

(U) 11.31

(A) 383

(E) 9

(O) 1724

(C) 3.81

(W) 36

(M) 9

(T) 10

(1) 3.83 cm^2 = _____ mm^2

$3.83\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 383\ mm^2$

(2) 4 yd^2 = _____ ft^2

$4\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 36\ ft^2$

(3) 1 yd^2 = _____ ft^2

$1\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 9\ ft^2$

(4) 4.23 cm^2 = _____ mm^2

$4.23\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 423\ mm^2$

(5) 381 mm^2 = _____ cm^2

$381\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 3.81\ cm^2$

(6) 17.24 cm^2 = _____ mm^2

$17.24\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1724\ mm^2$

(7) 81 ft^2 = _____ yd^2

$81\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 9\ yd^2$

(8) 1131 mm^2 = _____ cm^2

$1131\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 11.31\ cm^2$

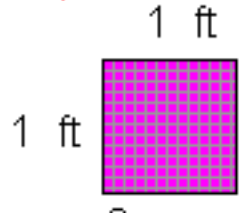
(9) 90 ft^2 = _____ yd^2

$90\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 10\ yd^2$

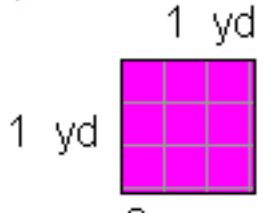
1	2	3		4	1	5	6	7	2	8									
9	2	10	3	5	11	1	12	3	5										

What dog says meow?

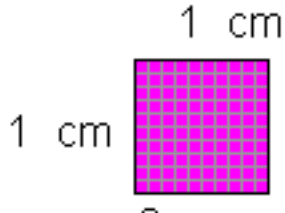
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $2\ yd^2 =$ _____ ft^2

(2) $2031\ mm^2 =$ _____ cm^2

(3) $4\ ft^2 =$ _____ in^2

(4) $6\ yd^2 =$ _____ ft^2

(5) $1433\ mm^2 =$ _____ cm^2

(6) $720\ in^2 =$ _____ ft^2

(7) $10\ ft^2 =$ _____ in^2

(8) $360\ mm^2 =$ _____ cm^2

(9) $9\ yd^2 =$ _____ ft^2

(10) $3\ yd^2 =$ _____ ft^2

(11) $1\ yd^2 =$ _____ ft^2

(12) $1\ ft^2 =$ _____ in^2

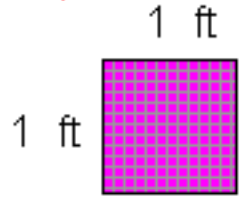
C	9
U	81
G	3.6
I	1440
N	20.31
E	576
W	54
R	14.33
D	27
O	18
K	5
V	144

O	N	E		W	O	R	K	I	N	G
1	2	3		4	1	5	6	7	2	8

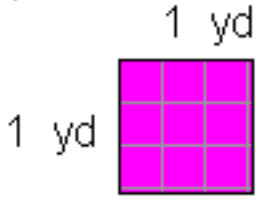
U	N	D	E	R	C	O	V	E	R
9	2	10	3	5	11	1	12	3	5

What dog says meow?

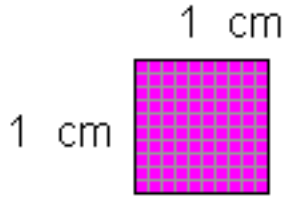
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $2\ yd^2 = \_\_\_\_\_\ ft^2$

$2\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 18\ ft^2$

(2) $2031\ mm^2 = \_\_\_\_\_\ cm^2$

$2031\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 20.31\ cm^2$

(3) $4\ ft^2 = \_\_\_\_\_\ in^2$

$4\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 576\ in^2$

(4) $6\ yd^2 = \_\_\_\_\_\ ft^2$

$6\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 54\ ft^2$

(5) $1433\ mm^2 = \_\_\_\_\_\ cm^2$

$1433\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 14.33\ cm^2$

(6) $720\ in^2 = \_\_\_\_\_\ ft^2$

$720\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 5\ ft^2$

(7) $10\ ft^2 = \_\_\_\_\_\ in^2$

$10\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 1440\ in^2$

(8) $360\ mm^2 = \_\_\_\_\_\ cm^2$

$360\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 3.6\ cm^2$

(9) $9\ yd^2 = \_\_\_\_\_\ ft^2$

$9\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 81\ ft^2$

(10) $3\ yd^2 = \_\_\_\_\_\ ft^2$

$3\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 27\ ft^2$

(11) $1\ yd^2 = \_\_\_\_\_\ ft^2$

$1\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 9\ ft^2$

(12) $1\ ft^2 = \_\_\_\_\_\ in^2$

$1\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 144\ in^2$

Ⓒ 9

Ⓤ 81

Ⓖ 3.6

Ⓘ 1440

Ⓝ 20.31

Ⓔ 576

Ⓦ 54

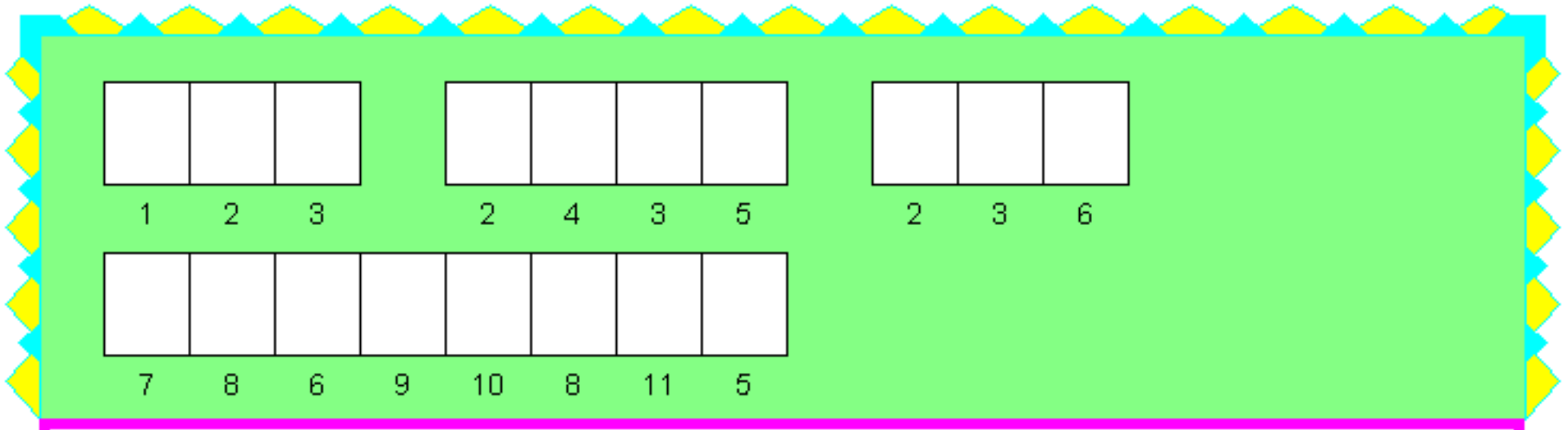
Ⓡ 14.33

Ⓓ 27

Ⓞ 18

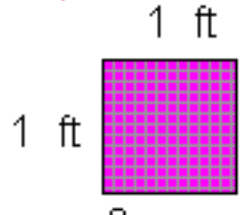
Ⓚ 5

Ⓥ 144

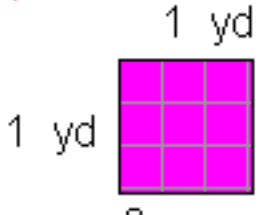


What did Idaho?

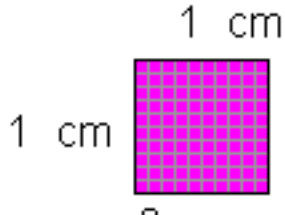
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



1 ft^2 = 144 in^2



1 yd^2 = 9 ft^2



1 cm^2 = 100 mm^2

(1) 10 yd^2 = _____ ft^2

(2) 10 ft^2 = _____ in^2

(3) 63 ft^2 = _____ yd^2

(4) 7 yd^2 = _____ ft^2

(5) 11.08 cm^2 = _____ mm^2

(6) 1117 mm^2 = _____ cm^2

(7) 1523 mm^2 = _____ cm^2

(8) 432 in^2 = _____ ft^2

(9) 17.88 cm^2 = _____ mm^2

(10) 10 yd^2 = _____ ft^2

(11) 2.89 cm^2 = _____ mm^2

(S) 90

(R) 11.17

(E) 7

(H) 1440

(M) 15.23

(A) 3

(L) 90

(N) 289

(O) 63

(D) 1108

(Y) 1788

S	H	E
1	2	3

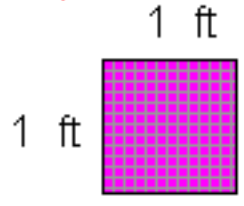
H	O	E	D
2	4	3	5

H	E	R
2	3	6

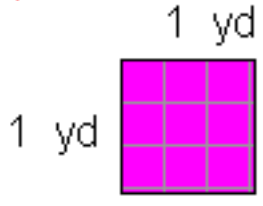
M	A	R	Y	L	A	N	D
7	8	6	9	10	8	11	5

What did Idaho?

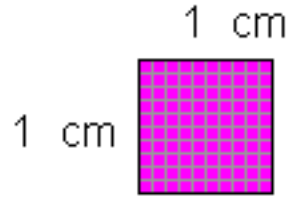
Match a problem with a solution and put the solution's letter in the riddle box with that problem's number.



$1\ ft^2 = 144\ in^2$



$1\ yd^2 = 9\ ft^2$



$1\ cm^2 = 100\ mm^2$

(1) $10\ yd^2 = \_\_\_\_\_\ ft^2$

$$10\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 90\ ft^2$$

(2) $10\ ft^2 = \_\_\_\_\_\ in^2$

$$10\ \cancel{ft^2}\left(\frac{144\ in^2}{1\ \cancel{ft^2}}\right) = 1440\ in^2$$

(3) $63\ ft^2 = \_\_\_\_\_\ yd^2$

$$63\ \cancel{ft^2}\left(\frac{1\ yd^2}{9\ \cancel{ft^2}}\right) = 7\ yd^2$$

(4) $7\ yd^2 = \_\_\_\_\_\ ft^2$

$$7\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 63\ ft^2$$

(5) $11.08\ cm^2 = \_\_\_\_\_\ mm^2$

$$11.08\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1108\ mm^2$$

(6) $1117\ mm^2 = \_\_\_\_\_\ cm^2$

$$1117\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 11.17\ cm^2$$

(7) $1523\ mm^2 = \_\_\_\_\_\ cm^2$

$$1523\ \cancel{mm^2}\left(\frac{1\ cm^2}{100\ \cancel{mm^2}}\right) = 15.23\ cm^2$$

(8) $432\ in^2 = \_\_\_\_\_\ ft^2$

$$432\ \cancel{in^2}\left(\frac{1\ ft^2}{144\ \cancel{in^2}}\right) = 3\ ft^2$$

(9) $17.88\ cm^2 = \_\_\_\_\_\ mm^2$

$$17.88\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 1788\ mm^2$$

(10) $10\ yd^2 = \_\_\_\_\_\ ft^2$

$$10\ \cancel{yd^2}\left(\frac{9\ ft^2}{1\ \cancel{yd^2}}\right) = 90\ ft^2$$

(11) $2.89\ cm^2 = \_\_\_\_\_\ mm^2$

$$2.89\ \cancel{cm^2}\left(\frac{100\ mm^2}{1\ \cancel{cm^2}}\right) = 289\ mm^2$$

(S) 90

(R) 11.17

(E) 7

(H) 1440

(M) 15.23

(A) 3

(L) 90

(N) 289

(O) 63

(D) 1108

(Y) 1788