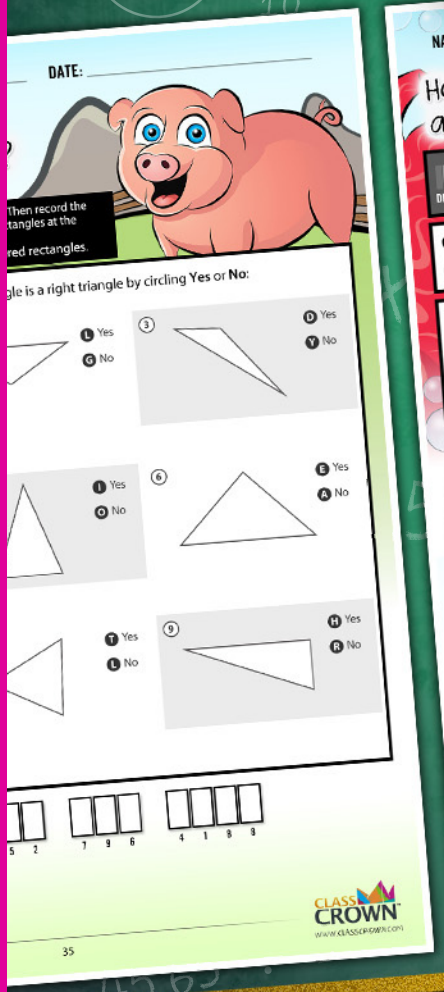
PACK
3

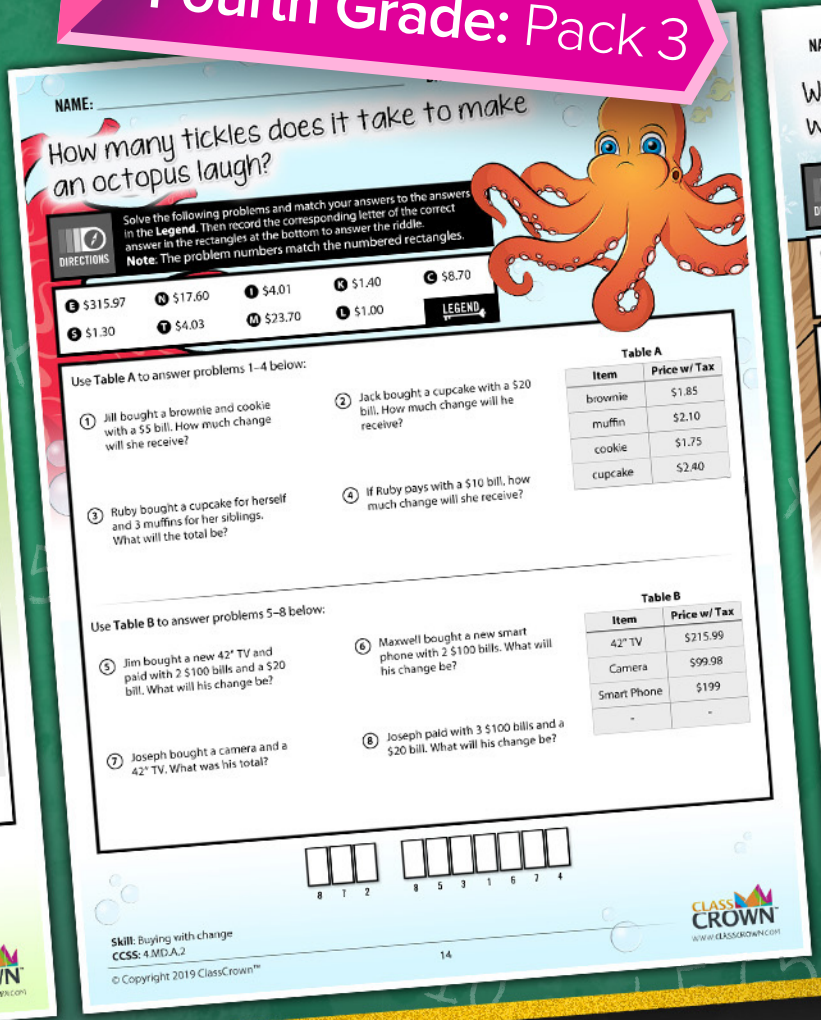
COMMON CORE ALIGNED

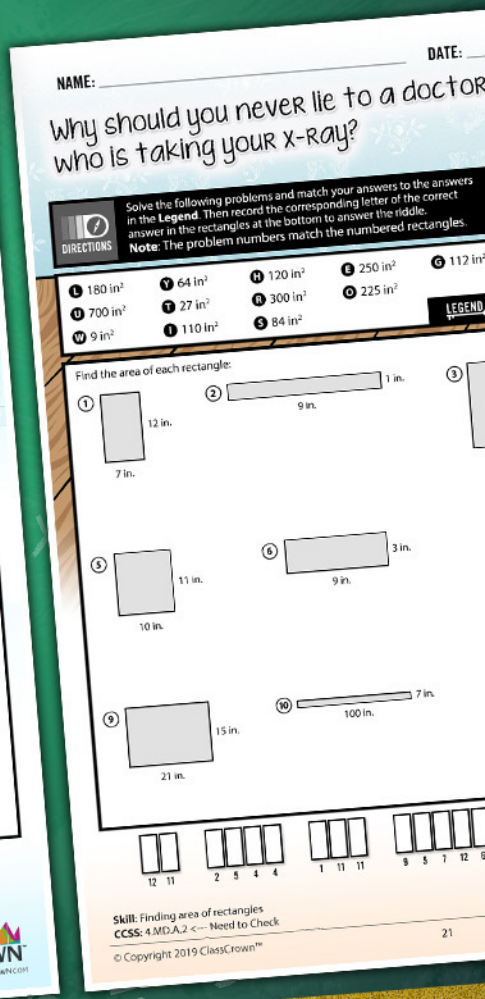
Math Series

Riddle-Me-Worksheets

Fourth Grade: Pack 3







GRADE LEVEL 4

PAGE COUNT 30

MATH SKILL

MULTI-SKILL

GRADE 4 MATH – **PACK 3**

CLASS CROWN™
WHERE TEACHERS RULE

WWW.CLASSCROWN.COM

COPYRIGHT NOTICE
The contents of this document are copyrighted by ClassCrown™, El Dorado Hills, California.
© 2019 ClassCrown. All rights reserved.

The redistribution, resale, modification, or republication of any part of this document and its attachments is strictly prohibited. The contents of this document are for educational use only.

NOTE TO TEACHERS:
As students complete these worksheets, they may be able to solve the riddle before finishing the problems and thus may be able to get the correct answer without completing the work. To avoid this, we highly recommend that you require students to complete all problems and show all their work to prove mastery and receive full credit for the assignment.

Math Series

Riddle-Me-Worksheets

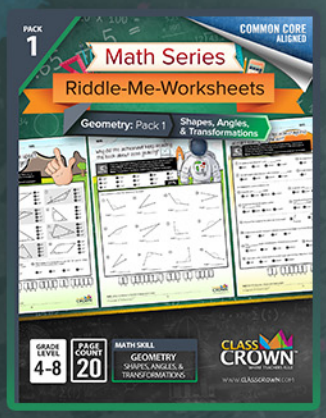
Fun math worksheets with riddles to keep kids motivated.

- Key Features

- Self checking
- Common Core aligned
- Problem solving motivation
- High quality design

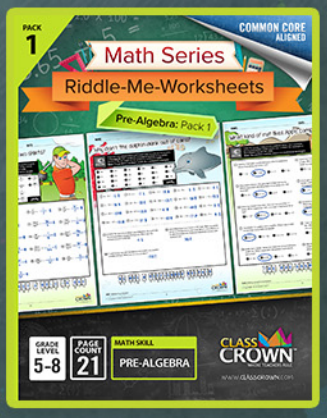
TRY THEM FOR **FREE**

WWW.CLASSCROWN.COM/MATH



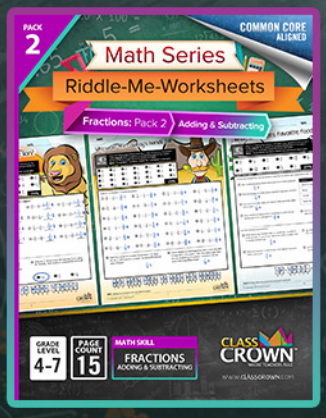
Geometry: Pack 1

Geometry: Pack 2



Pre-Algebra: Pack 1

Fractions: Pack 1



Fractions: Pack 2

Fractions: Pack 3

4th Grade: Pack 1

COLLECT THEM ALL!

Grade 4 – Pack 3: Contents

1 – Estimating capacity, American ..... **Page 6**
CCSS: 4.MD.A.1

2 – Estimating length, American ..... **Page 7**
CCSS: 4.MD.A.1

3 – Conversion tables ..... **Page 8**
CCSS: 4.MD.A.1

4 – Estimating length, metric ..... **Page 9**
CCSS: 4.MD.A.1

5 – Measuring in centimeters ..... **Page 10–11**
CCSS: 4.MD.A.2

6 – Estimating weight, American ..... **Page 12**
CCSS: 4.MD.A.1

7 – Comparing weight, metric ..... **Page 13**
CCSS: 4.MD.A.1

8 – Buying with change ..... **Page 14**
CCSS: 4.MD.A.2

9 – Determining change, multiple costs ..... **Page 15**
CCSS: 4.MD.A.2

10 – Determining change, one cost, multiple items ..... **Page 16**
CCSS: 4.MD.A.2

11 – Solving word problems involving distance ..... **Page 17**
CCSS: 4.MD.A.2

12 – Solving word problems involving intervals of time ..... **Page 18**
CCSS: 4.MD.A.2

13 – Solving problems involving liquid volumes ..... **Page 19**
CCSS: 4.MD.A.2

14 – Solving word problems involving mass ..... **Page 20**
CCSS: 4.MD.A.2

15 – Finding area of rectangles ..... **Page 21**
CCSS: 4.MD.A.3

16 – Finding perimeter of rectangles ..... **Page 22**
CCSS: 4.MD.A.3

17 – Finding area of rectangles, word problems ..... **Page 23**
CCSS: 4.MD.A.3

18 – Finding perimeter, word problems ..... **Page 24**
CCSS: 4.MD.A.3

19 – Interpreting line plots that include fractions ..... **Page 25**
CCSS: 4.MD.B.4

20 – Interpreting line plots that include fractions ..... **Page 26**
CCSS: 4.MD.B.4

21 – Estimating angle measurement ..... **Page 27**
CCSS: 4.MD.C.5.A

22 – Determining if an angle is acute, obtuse, right, or straight ..... **Page 28**
CCSS: 4.MD.C.5.A

23 – Determining angles using a protractor ..... **Page 29**
CCSS: 4.MD.C.6

24 – Determining value of unknown angles ..... **Page 30**
CCSS: 4.MD.C.7

25 – Comparing angles to 90 degrees ..... **Page 31**
CCSS: 4.G.A.1

26 – Determining if an angle is acute, obtuse, right, or straight ..... **Page 32**
CCSS: 4.G.A.1

27 – Finding angles within shapes ..... **Page 33**
CCSS: 4.G.A.1

28 – Determining parallel, perpendicular, or intersecting lines ..... **Page 34**
CCSS: 4.G.A.1

29 – Determining if a triangle is right ..... **Page 35**
CCSS: 4.G.A.2

30 – Determining symmetry ..... **Page 36**
CCSS: 4.G.A.3

Answer Keys ..... **Page 37–52**

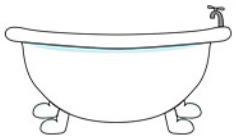
NAME: _____ DATE: _____

Why do bears always have sticky fur?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem determine which answer best represents the volume:

① 

Water in a bathtub

- A 5 cups
- M 80 gallons
- J 10 pints
- C 14 quarts

②

Soda in a can

- U Less than 2 cups
- B 5 pints
- A 1 gallon
- L 2 quarts

③

A ketchup packet

- C 2 gallons
- E 4 pints
- N Less than a cup
- F 4 quarts

④

Water in a large vase

- S Less than a cup
- T 1 pint
- N 4 quarts
- Y 2 gallons

⑤ Glass of chocolate milk

- P 1 gallon
- S 1 pint
- L 1 quart

⑥ Ink in a pen

- C Less than a cup
- B More than a pint
- V Close to a gallon

⑦ Water in a pool

- I Less than a cup
- V Several quarts
- A Many gallons

⑧ A jar of jam

- B About a pint
- E About a gallon
- S About a cup

⑨ A bottle of cold medicine

- E A cup
- O A gallon
- P A quart

⑩ Water used to water a house plant

- M 2 gallons
- L 2 quarts
- Y 2 cups

⑪ Lemonade in a pitcher

- M About half a cup
- H About half a gallon
- K About half a pint

⑫ Small carton of milk from cafeteria

- O About half a pint
- U About half a gallon
- A About half a quart

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

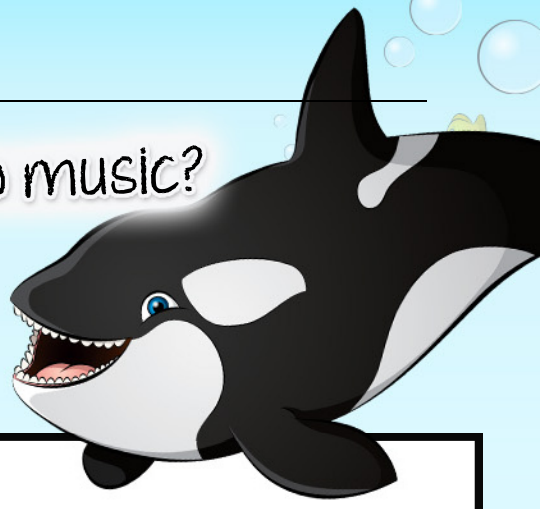
Skill: Estimating capacity, American
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Where do killer whales like to listen to music?



DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, determine which choice is the best answer:

1. The length of a sofa
   - G 7 miles
   - C 7 feet
   - L 7 inches

2. The length of an envelope
   - R 9 inches
   - B 9 yards
   - D 9 feet

3. The height of a mountain
   - H 3 miles
   - S 3 inches
   - O 3 yards

4. The length of a crayon
   - T 4 yards
   - M 4 feet
   - S 4 inches

5. The width of a chair
   - D 18 miles
   - R 18 inches
   - F 18 feet

6. The height of an orange
   - A 5 inches
   - T 5 yards
   - S 5 feet

7. The height at which an airplane flies
   - Y 5 feet
   - L 5 yards
   - E 5 miles

8. The length of a baby
   - A 19 feet
   - O 19 inches
   - B 19 yards

9. The height of an action figure
   - T 7 inches
   - V 7 feet
   - B 7 miles

10. The distance from a student's house to the neighborhood school
    - E 2 inches
    - S 2 yards
    - A 2 miles

11. The height of a professional basketball player
    - S 7 inches
    - T 7 feet
    - W 7 miles

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

Skill: Estimating length, American
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What did one shark say to another on his birthday?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem **ANSWERS** match the numbered rectangles.

Fill in the blanks in the conversion tables below:

pounds	ounces
2	_____ **I**
3	_____ **C**
_____ **A**	80
_____ **Y**	16

yards	feet
10	_____ **H**
_____ **D**	6
5	_____ **A**
_____ **N**	12

cups	pints
6	_____ **A**
12	_____ **T**
_____ **F**	9
_____ **S**	11
_____ **I**	14

minutes	hours
420	_____ **E**
480	_____ **T**
_____ **V**	2
_____ **A**	1

| | | |

NAME: _____ DATE: _____

What did the teddy bear say when offered another piece of pie?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Determine which choice represents the best length or height of the item:

1 A cup of coffee
- **E** 12 millimeters
- **A** 12 centimeters
- **R** 12 meters

2 A ladder
- **M** 3 meters
- **F** 3 centimeters
- **D** 3 millimeters

3 A 2-story home
- **R** 9 centimeters
- **D** 9 meters
- **L** 9 kilometers

4 A toothpick
- **H** 25 meters
- **B** 25 centimeters
- **N** 25 millimeters

5 A fingernail
- **U** 10 millimeters
- **E** 10 centimeters
- **R** 10 kilometers

6 A shoe
- **M** 24 millimeters
- **H** 24 centimeters
- **P** 24 meters

7 A refrigerator
- **K** 170 centimeters
- **B** 170 meters
- **S** 170 kilometers

8 A palm tree
- **L** 15 centimeters
- **E** 15 meters
- **R** 15 kilometers

9 A pencil
- **A** 14 kilometers
- **V** 14 meters
- **O** 14 centimeters

10 A grizzly bear
- **R** 3 centimeters
- **N** 3 meters
- **E** 3 kilometers

11 A mountain
- **I** 4 kilometers
- **A** 4 meters
- **O** 4 centimeters

12 A fence
- **W** 2 millimeters
- **S** 2 centimeters
- **T** 2 meters

13 A banana
- **L** 20 millimeters
- **S** 20 centimeters
- **M** 20 meters

14 An eyelash
- **F** 5 millimeters
- **T** 5 centimeters
- **S** 5 meters

							’							
4	9	12	6	1	10	7	13	11	2	13	12	5	14	14	8	3

Skill: Estimating length, metric
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What was the cow's favorite movie genre?

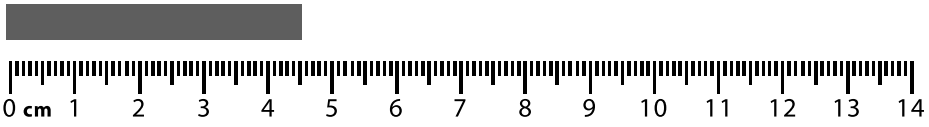
DIRECTIONS

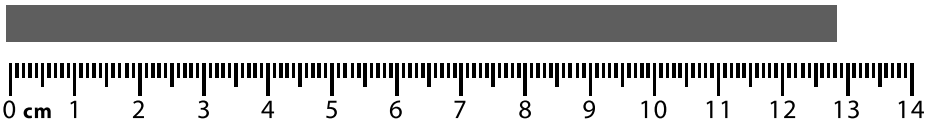
Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom of page 2 to answer the riddle.
Note: The problem numbers match the numbered rectangles.

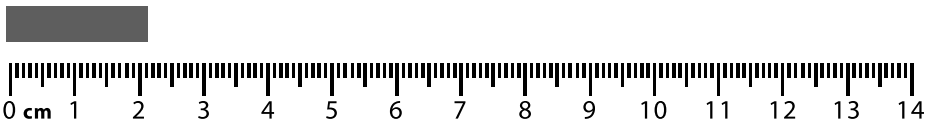
LEGEND

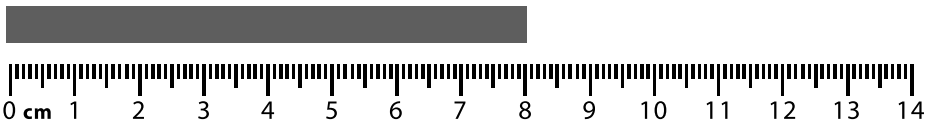
A 8 cm	**O** 12.8 cm	**I** 5 cm	**M** 10 cm	**O** 11.5 cm
L 3.9 cm	**S** 6 cm	**C** 4.5 cm	**S** 2.1 cm	

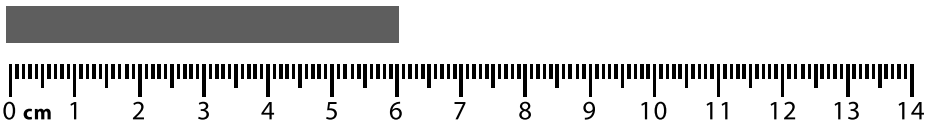
Find the length of each bar using the ruler underneath:

1. 

2. 

3. 

4. 

5. 

Skill: Measuring in centimeters
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

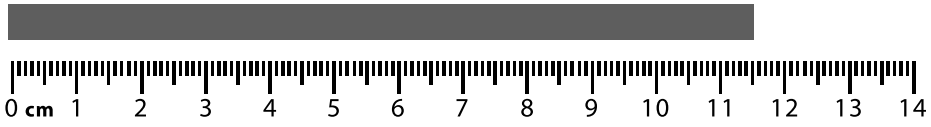
What was the cow's favorite movie genre?

DIRECTIONS

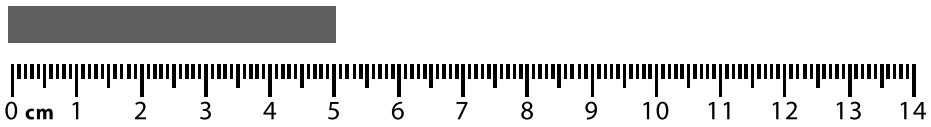
Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Find the length of each bar using the ruler underneath:

⑥

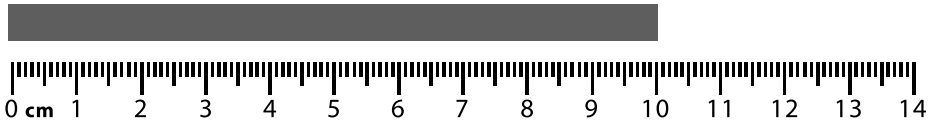


⑦



⑧

⑨



			–						
9	2	6		5	7	1	4	8	3

Skill: Measuring in centimeters
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What sound does a stegosaurus make when it's sleeping?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Determine which choice represents the best length or weight of the item:

1 A smart phone
- **O** 5 ounces
- **G** 2 pounds
- **R** 1 ounce

2 A pencil
- **R** 3 ounces
- **P** 1 pound
- **N** 0.2 ounces

3 A fork
- **A** 5 ounces
- **I** 2 pounds
- **U** 15 ounces

4 A sofa
- **I** 140 pounds
- **R** 20 pounds
- **A** 20 ounces

5 A candy bar
- **P** 20 ounces
- **S** 2 ounces
- **H** 20 pounds

6 A piece of paper
- **N** 0.1 ounces
- **P** 1 ounce
- **C** 1 pound

7 A full backpack
- **T** 1 pound
- **E** 15 pounds
- **S** 15 ounces

8 A chihuahua
- **E** 24 pounds
- **T** 4 ounces
- **O** 4 pounds

9 A big screen TV
- **R** 75 pounds
- **G** 15 ounces
- **L** 15 pounds

10 An empty paper cup
- **B** 5 pounds
- **R** 5 ounces
- **D** 0.5 ounces

					–					
3	10	4	2	8		5	6	1	9	7

Skill: Estimating weight, American
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What do cats like to eat on their birthday?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Use <, >, or = to compare weights in each of the problems below:

① 1,867 grams ◯ 1 kilogram

M < K > G =

② 2 kilograms ◯ 1,952 grams

A < I > E =

③ 7,789 grams ◯ 8 kilograms

R < S > P =

④ 5,000 grams ◯ 5 kilograms

B < S > N =

⑤ 3 kilograms ◯ 3,007 grams

D < K > E =

⑥ 4,009 grams ◯ 5 kilograms

M < R > P =

⑦ 10,060 grams ◯ 10 kilograms

D < C > L =

⑧ 7 kilograms ◯ 7,000 grams

E < P > A =

⑨ 9 kilograms ◯ 8,807 grams

I < E > O =

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

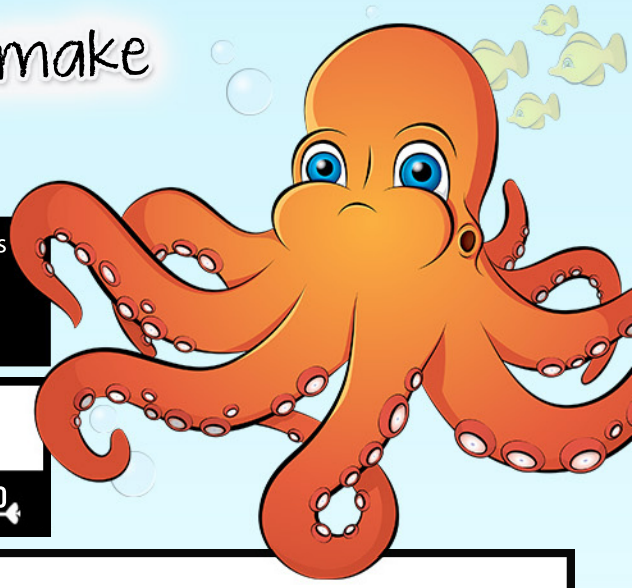
Skill: Comparing weight, metric
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

How many tickles does it take to make an octopus laugh?



DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

E $315.97	N $17.60	I $4.01	K $1.40	C $8.70
S $1.30	T $4.03	M $23.70	L $1.00	

Use **Table A** to answer problems 1–4 below:

Table A

Item	Price w/ Tax
brownie	$1.85
muffin	$2.10
cookie	$1.75
cupcake	$2.40

1. Jill bought a brownie and cookie with a $5 bill. How much change will she receive?

2. Jack bought a cupcake with a $20 bill. How much change will he receive?

3. Ruby bought a cupcake for herself and 3 muffins for her siblings. What will the total be?

4. If Ruby pays with a $10 bill, how much change will she receive?

Use **Table B** to answer problems 5–8 below:

Table B

Item	Price w/ Tax
42" TV	$215.99
Camera	$99.98
Smart Phone	$199
-	-

5. Jim bought a new 42" TV and paid with 2 $100 bills and a $20 bill. What will his change be?

6. Maxwell bought a new smart phone with 2 $100 bills. What will his change be?

7. Joseph bought a camera and a 42" TV. What was his total?

8. Joseph paid with 3 $100 bills and a $20 bill. What will his change be?

8	7	2		8	5	3	1	6	7	4

Skill: Buying with change
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What do you call an alligator in a vest?

DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

G $21.05	T $0.05	A $115.30	N $9.95	E $18.95	O $3.90
L $2.70	V $63.50	R $36.50	S $6.10	I $4.70	

Andy bought 2 hot dogs and a bag of chips with a ten dollar bill. Hot dogs cost $2.50 and chips $1.10.

1. What was Andy's total?

2. How much change did Andy receive?

David bought a guitar for $63. He bought a pick for $0.50. He paid with a $100 bill.

3. What was David's total?

4. How much change did David receive?

Caleb bought a hammer for $12.75 and 2 bags of nails that cost $4.15 each. He paid with 2 $20 bills.

5. What was Caleb's total?

6. How much change did Caleb receive?

Julia bought a new shirt for $22.50, a pair of pants for $41.30, and 2 hoodies for $25.75 each. She paid with a $100 bill and a $20 bill.

7. What was Julia's total?

8. How much change did Julia receive?

Sara bought 5 bottles of nail polish for $1.99 each. She paid with a $10 bill.

9. What was Sara's total?

10. How much change did Sara receive?

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

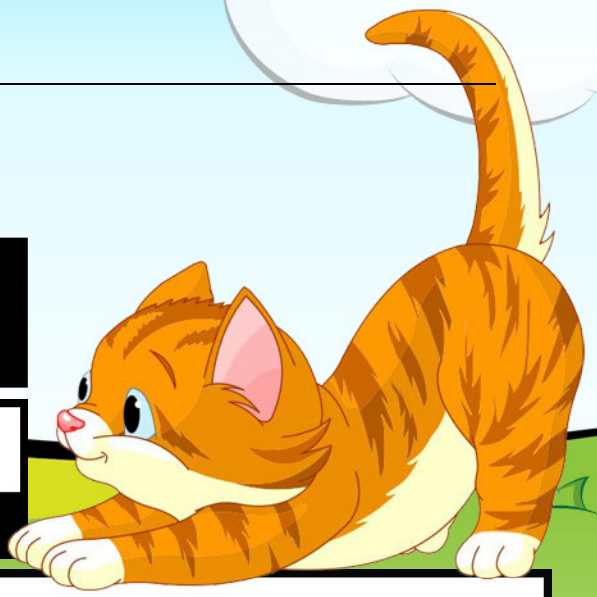
Skill: Determining change, multiple costs
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What do you call a pile of kittens?



DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

A $3.75	E $2.80	A $10.20	T $1.10	N $4.70
W $5.05	O $5.00	M $28.30	I $5.50	

1. Sophia bought 2 dresses at the mall. If both dresses together cost $9.45 and she paid with a twenty dollar bill, how much change will she get back?

2. Truman bought 4 pencils that each cost $0.55. If he paid with a five dollar bill, how much change will he get?

3. Millie bought 5 pounds of strawberries for $3.25 per pound. If she paid with a twenty dollar bill, how much change will she get back?

4. Jamie bought 2 hammers at the hardware store. Each hammer cost $10.15 and he paid with a twenty dollar bill and a five dollar bill. How much change will he receive?

5. Jonathan bought 7 hotdogs for his family. If each hotdog cost $1.40 and he paid with a twenty, how much change will he get back?

6. Francine bought 6 books that each cost $5.75. If she paid with 2 twenty dollar bills, how much change will she receive?

7. Dylan and his sister bought 2 used bikes for $22.50 each. If they paid with a fifty dollar bill, how much change will they receive?

8. Ben bought 5 candy bars for $0.99 each. If he paid with a ten dollar bill, how much change will he receive?

9. Gwenyth bought 2 bouquets of flowers for $10.85 each. If she paid with a fifty dollar bill, what will her change be?

5	9	2	7	8	1	3	6	4

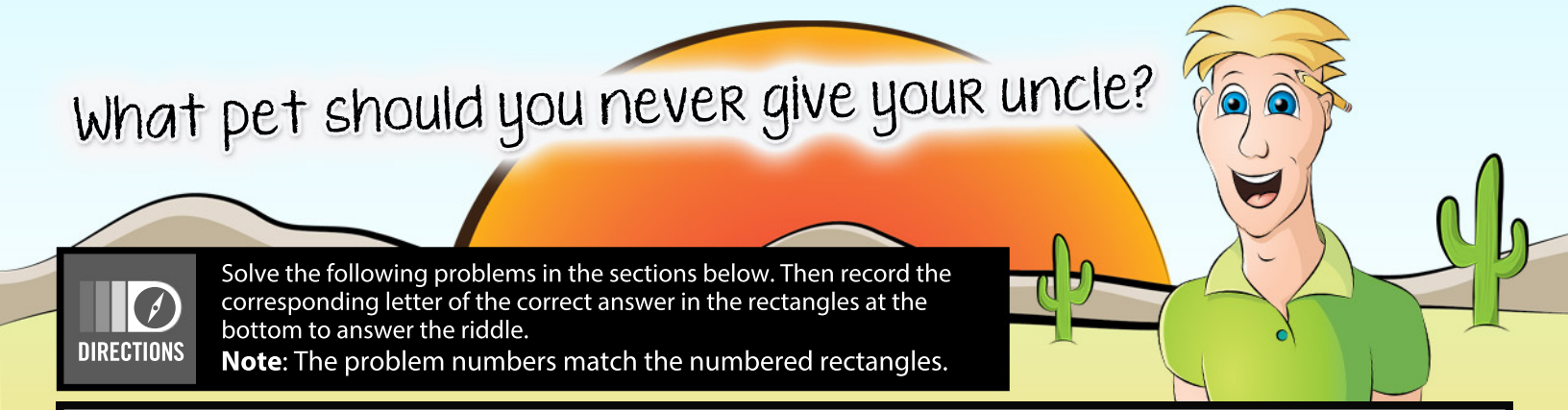
Skill: Determining change, one cost, multiple items
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What pet should you never give your uncle?



DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. Jane swam 200 meters every day for 10 days. How many kilometers did she swim altogether?

   B 100 R 2 E 5 M 1

2. Ashley ran 3.2 kilometers on Saturday and 2.6 kilometers on Sunday. How many meters did she run altogether?

   T 5.8 S 580 N 5,800 M 58,000

3. An eraser is 4.1 cm long. If 2 erasers are placed end-to-end, how many mm long are the erasers together?

   O 8.2 E 82 I 820 K 41

4. Sandy rode her bike 40 meters. How many centimeters did she ride?

   S 4 B 400 T 4,000 W 40,000

5. Robert ran 200 meters every day for 6 days. How many kilometers did he run altogether?

   I 6 O 0.6 E 12 A 1.2

5	2	5	2	4	3	5	4	3	1

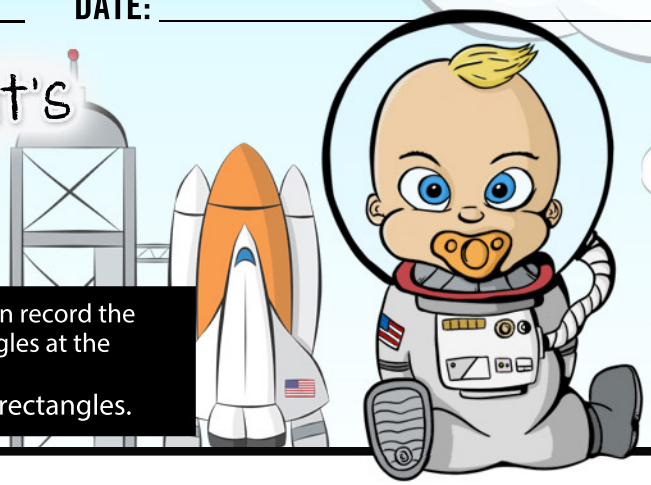
Skill: Solving word problems involving distance
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

How do you get an astronaut's baby to stop crying?



DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. Heather's soccer game started at 2:30 pm and ended at 4:00 pm. How long was her soccer game?

   B 2 hrs P 2 hrs 30 mins
   U 1 hr 30 mins S 1 hr 45 mins

2. Nori worked on her math homework from 7:15 pm to 8:00 pm. How long did she work?

   L 30 mins K 45 mins
   M 1 hr I 1 hr 30 mins

3. Fred ran from 2:00 pm to 2:30 pm and Sam ran from 2:00 pm to 2:15 pm. How much longer did Fred run than Sam?

   Y 15 mins S 30 mins B 45 mins F 1 hr

4. Bri watched a TV show from 9:45 am to 10:15 am. How long did she watch the show?

   L 15 mins T 30 mins R 45 mins N 1 hr

5. Dianne worked on her art project for 14 days. How many weeks did she work on the project?

   S 1 C 2 L 3 S 4

6. Finn ran a mile in 10 minutes. If he did that every day for a week, how long did he run altogether?

   I 1 hr E 1 hr 10 mins
   O 1 hr 15 mins S 1 hr 30 mins

7. Will went to the library every day for 21 days. How many weeks did he go to the library?

   P 1 M 2 R 3 T 4

8. Zack worked on writing a book for 36 months. How many years did he work on his book?

   I 1 E 2 O 3 U 4

3	8	1	7	8	5	2	6	4	

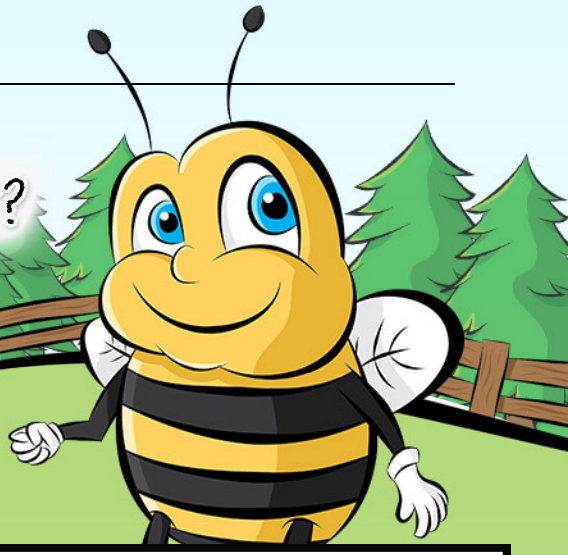
Skill: Solving word problems involving intervals of time
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What kind of haircut did the bee get?



DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. Brooke drinks 2 liters of water during her soccer games. How many milliliters did she drink after two games?

   R 4.0 L 400 T 4,000 N 40,000

2. A horse drank 5.5 liters of water. How many centiliters did the horse drink?

   R 55 C 550 M 5,500 P 55,000

3. A pot holds 1 quart. How many 16 oz. cans of beans can fit in the pot?

   I 1 A 2 O 3 S 4

4. There are 2 cups of milk in a glass. If you add 4 oz. of chocolate syrup, what is the volume of the mixture in ounces.

   R 16 B 20 S 24 T 28

5. Rachel had a gallon of water. She used 3 cups to wash her hands and then drank 3 cups. How many cups were left after this?

   O 6 E 8 U 10 A 12

6. A glass holds 2 pints. A vase holds 28 ounces. A pot holds 2 quarts. Which container holds the least amount?

   R the glass Z the vase S the pot

3	4	5	6	6	6	6	2	5	1				

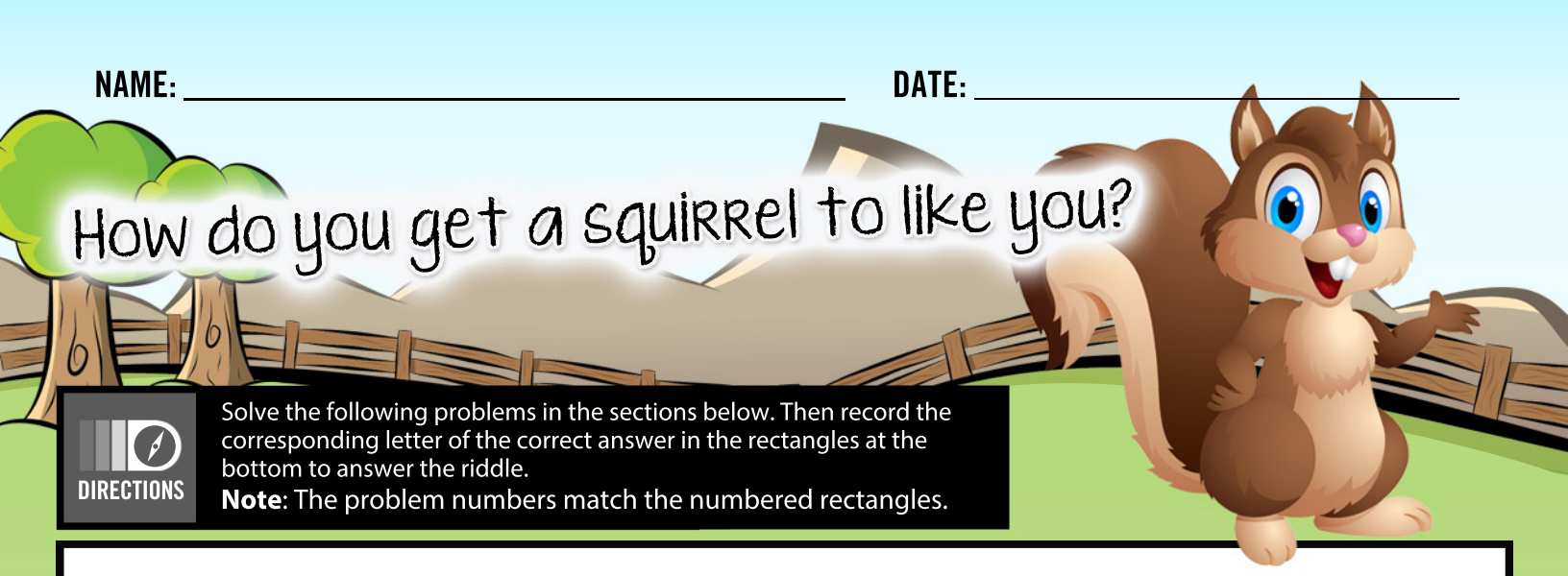
Skill: Solving word problems involving liquid volumes
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

How do you get a squirrel to like you?



DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. If a container holds 320 grams of salt and you use half of it, how much will be left in the container in grams?

B 150 C 160 O 170 U 180

2. Matt took 3.5 kilograms of sand and split it equally into 5 containers. How much sand, in grams, was in each container?

S 7 T 70 Y 700 E 7,000

3. Ben, James, and Sam together weigh a total of 210 kg. Ben weighs 80 kg. James and Sam weigh the same amount. How much do James and Sam weigh?

A 65 kg. E 75 kg. I 85 kg. O 95 kg.

4. The total mass of 10 chocolate bars is 1.2 kilograms. What is the mass of each chocolate bar in grams?

P 12,000 S 1,200 N 120 R 12

5. A toy boat weighs 1.4 kilograms. What will the mass of 2 of these boats be in grams?

E 2.8 O 28 A 280 U 2,800

6. Avery bought 4.2 kilograms of strawberries. Her family ate half of the strawberries. How many grams of strawberries did they eat?

E 2.1 H 210 T 2,100 Y 21,000

3	1	6		4	5	6	6	2

Skill: Solving word problems involving mass
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why should you never lie to a doctor who is taking your x-ray?

DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

L 180 in^2	Y 64 in^2	H 126 in^2	E 125 in^2	G 112 in^2
U 700 in^2	T 27 in^2	R 315 in^2	O 225 in^2	
W 9 in^2	I 110 in^2	S 84 in^2		

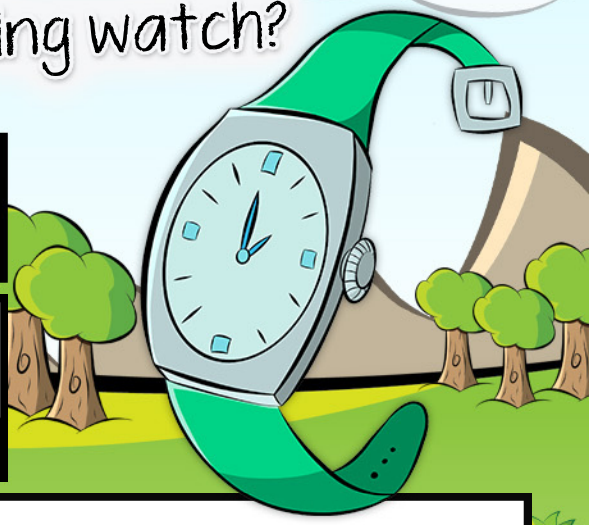
Find the area of each rectangle:

1. 12 in. × 7 in.
2. 1 in. × 9 in.
3. 15 in. × 15 in.
4. 30 in. × 6 in.
5. 11 in. × 10 in.
6. 3 in. × 9 in.
7. 28 in. × 4 in.
8. 8 in. × 8 in.
9. 15 in. × 21 in.
10. 7 in. × 100 in.
11. 25 in. × 5 in.
12. 6 in. × 21 in.

| | | | |

NAME: _____ DATE: _____

Why didn't the boy look for his missing watch?



DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

V 34 in	N 700 in	U 12 in	O 420 in	R 18 in
D 14 in	I 11 in	H 1240 in	E 1600 in	T 176 in
F 32 in	C 24 in	L 30 in	M 26 in	

Find the perimeter of each rectangle:

1. 5 in. / 10 in.
2. 9 in. / 7 in.
3. 2 in. / 11 in.
4. 6 in.
5. 8 in. / 1 in.
6. 12 in. / 5 in.
7. 110 in. / 100 in.
8. 4 in. / 2 in.
9. 50 in. / 300 in.
10. 22 in. / 66 in.
11. 3 in. / 4 in.
12. 310 in.
13. 5 in. / 0.5 in.
14. 600 in. / 200 in.

12	14	4	7	8	1	11	9	14	6	14	5	2	13	9	11	10	12	14	10	13	3	14

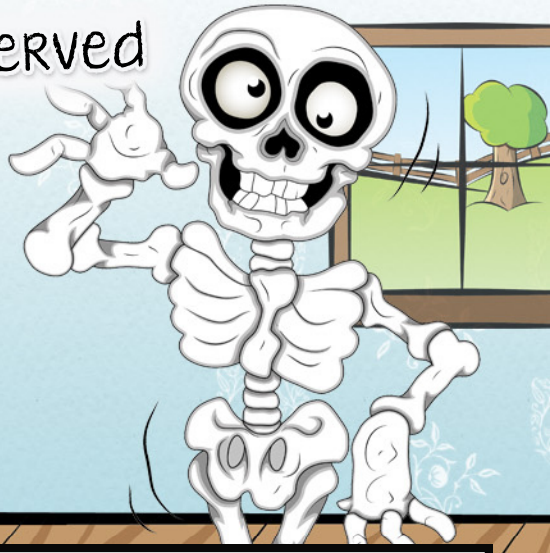
Skill: Finding perimeter of rectangles
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What did the skeleton say when he served his friends dinner?



DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

T 4	E 410	B 200	R 632	N 25
I 5,400	O 32	P 22	A 6	

1. Sally's garden measures 8 feet by 4 feet. What is the area of her garden? _____ ft^2

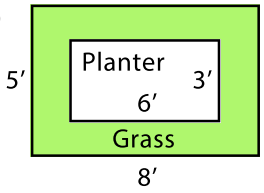
2. Terry made a quilt that had an area of $24ft^2$. If the quilt was 4 feet wide, what was its length?
_____ ft

3. A field measures 100 feet long and 54 feet wide. What is the area of the field? _____ ft^2

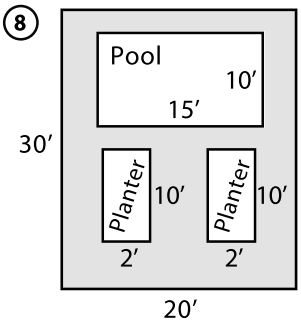
4. A rectangle is 25 feet high and 8 feet wide. What is its area? _____ ft^2

5. A square tile measures 2 feet high. What is the tile's area? _____ ft^2

6. Cedric is putting a rectangular pool in his backyard. The area of the pool is 250 ft^2. The width of the pool is 10 ft. What is its length?
_____ ft

7. 

Jude's garden has a rectangular planter that is surrounded by grass, as shown in the picture. What is the area of the grass?
_____ ft^2

8. 

Fred's backyard includes a pool and 2 planters, as shown in the picture. The remaining area of the yard is concrete. What is the area of the concrete space?
_____ ft^2

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

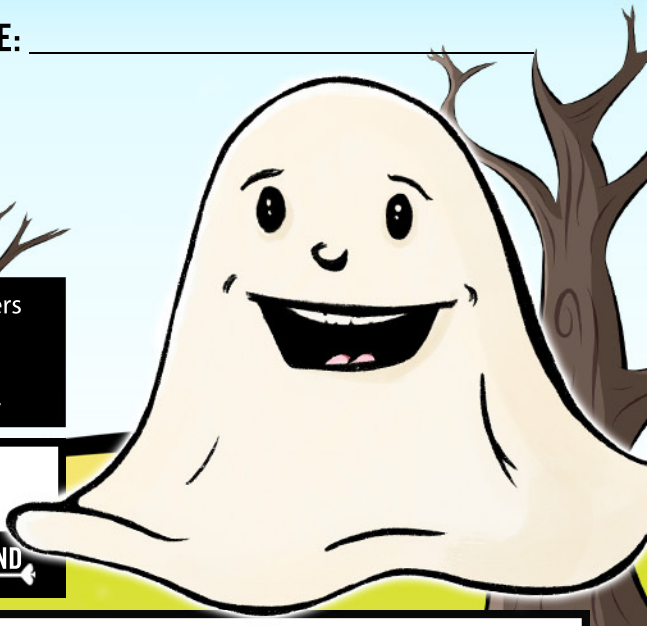
Skill: Finding area of rectangles, word problems
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What is in a ghost's nose?



DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

T 120	S 18	B 96	E 54
G 8	R 29	O 4	

1. Adele is installing a fence around her rectangular garden. If the garden is 12 feet wide by 15 feet long, how many feet of fencing does she need?

_____ ft

2. Joseph's favorite blanket is 3 feet wide. Its length is twice its width. What is the blanket's perimeter?

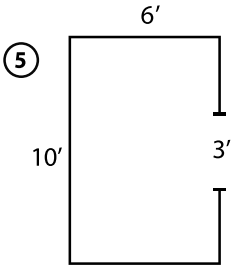
_____ ft

3. Bella is sewing a piece of ribbon around the perimeter of a square piece of cloth. One side measures two 2 ft. How much ribbon does she need?

_____ ft

4. Eli is installing baseboard along the perimeter of 2 bedrooms, each 12 ft x 12 ft. How much baseboard does he need?

_____ ft

5. 

Graham's garden has a fence with a 3 ft. opening, as shown in the picture. If he wants to replace the fence, how much fencing does he need to buy?

_____ ft

6. Jenn is gluing ribbon around the perimeter of a decorative box. The box is 14 inches long and 9 inches wide. She has 50 inches of ribbon. How much will be left when she is done?

_____ ft

			–				
4	6	6		3	1	5	2

Skill: Finding perimeter, word problems
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why did the weight lifter only work out on Saturday and Sunday?

DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

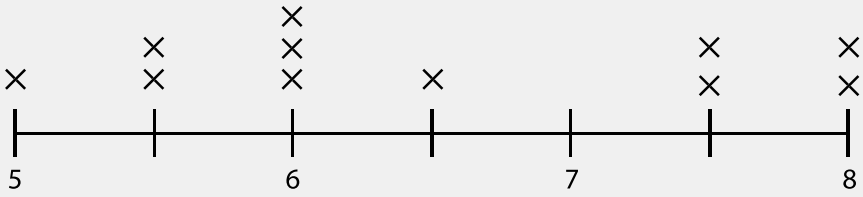
LEGEND

D 11	S 6	T 1	R 4	A 9	K 8
E 3	Y 15	N 12	H 7	W 5	

Use **Line Plot A** to answer problems 1–5:

Line Plot A

Shoe sizes of students in a class



1. What is the shoe size with the most number of students?

_____

2. Which shoe size do none of the students wear?

_____

3. How many students wear sizes with a half size?

_____

4. How many students wear a size 6 or larger?

_____

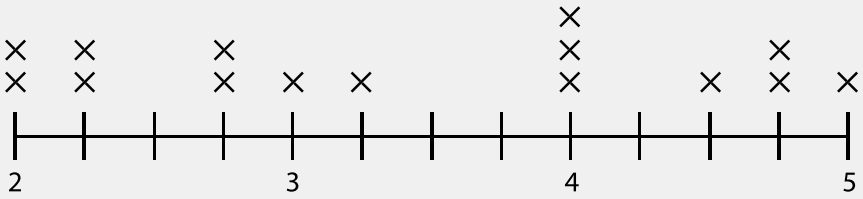
5. How many total students are represented?

_____

Use **Line Plot B** to answer problems 6–10:

Line Plot B

Distance, in miles, that students live from school



6. How many total students are represented?

_____

7. How many students live $3\frac{1}{4}$ miles from school?

_____

8. Which number of miles has the most students living that far away?

_____

9. How many students live 3 or more miles away?

_____

10. How many students live $4\frac{3}{4}$ miles or more away?

_____

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

Skill: Interpreting line plots that include fractions
CCSS: 4.MD.B.4

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What's a banker's favorite gymnastic event?

DIRECTIONS

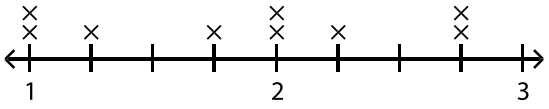
Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

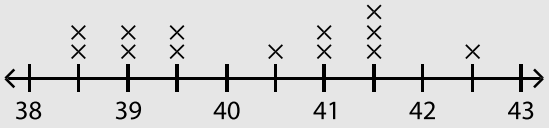
T 1	V $1\frac{1}{8}$	U $\frac{7}{8}$
A 4	L $1\frac{3}{4}$	M 3

Use the line plots to answer each question:

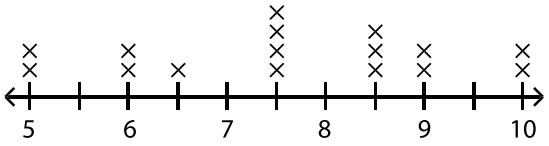
1. The line plot shows how many miles Josie walked each day.
   What is the difference in distance between the most and fewest miles she walked in a day? _____



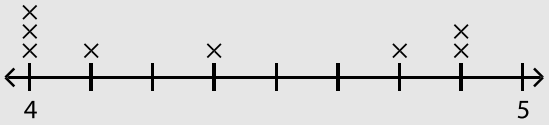
2. The line plot shows the height (in inches) of students in a kindergarten class.
   What is the difference (in inches) between the tallest student(s) and the shortest student(s) in class?
   _____



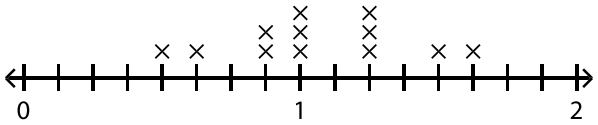
3. The line plot shows the shoe sizes of several athletes.
   What is the difference in sizes between the size with the most number of athletes and the size with the least number of athletes? _____



4. The line plot shows the height (in inches) of different phones.
   What is the difference in height between the tallest and shortest phone? _____



5. The line plot shows the distances students ran in 10 minutes.
   What is the difference in distance between the most and least miles run by the students? _____



5	2	4	1	3

Skill: Interpreting line plots that include fractions
CCSS: 4.MD.B.4

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

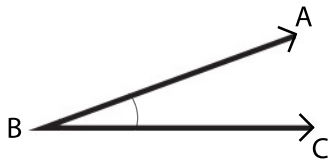
What do elves learn at school?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

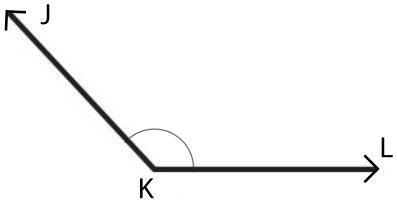
① Which choice best represents ∠ABC?

- C 75°
- R 145°
- B 20°
- A 49°



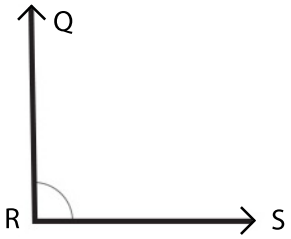
② Which choice best represents ∠JKL?

- L 80°
- H 133°
- C 60°
- M 175°



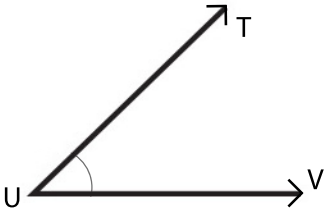
③ Which choice best represents ∠QRS?

- L 91°
- D 72°
- V 133°
- E 789°



④ Which choice best represents ∠TUV?

- F 63°
- N 111°
- S 92°
- A 44°

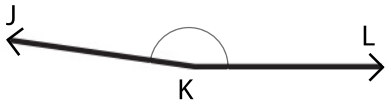


⑤ Which choice best represents ∠ABC?

- P 39°
- F 14°
- R 73°
- O 102°

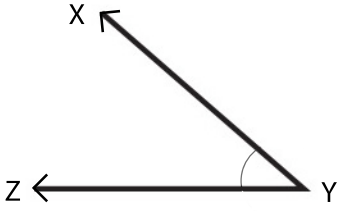
⑥ Which choice best represents ∠JKL?

- T 172°
- E 130°
- Q 50°
- W 10°



⑦ Which choice best represents ∠XYZ?

- X 11°
- R 163°
- E 41°
- O 92°



							–				
6	2	7		7	3	5		4	1	7	6

Skill: Estimating angle measurement
CCSS: 4.MD.C.5.A

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why was the baby raspberry crying?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

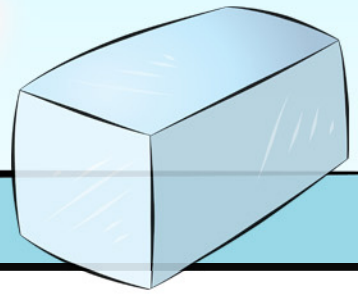
Choose the correct answer to describe each angle:

1 125°	L acute	W obtuse	G right	O straight
2 52°	H acute	A obtuse	B right	M straight
3 90°	C acute	F obtuse	O right	T straight
4 17°	I acute	A obtuse	T right	S straight
5 2°	R acute	F obtuse	H right	I straight
6 95°	S acute	J obtuse	B right	V straight
7 180°	M acute	T obtuse	Z right	N straight
8 173°	O acute	E obtuse	L right	P straight
9 73°	M acute	B obtuse	K right	I straight
10 39°	D acute	C obtuse	W right	R straight
11 91°	E acute	A obtuse	P right	L straight

| | | | |

NAME: _____ DATE: _____

Where did the ice cube go on vacation?

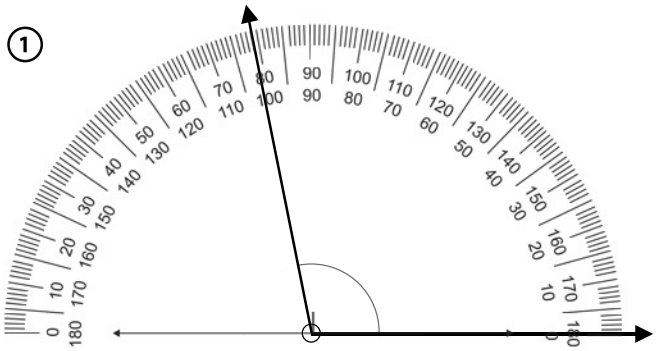


DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

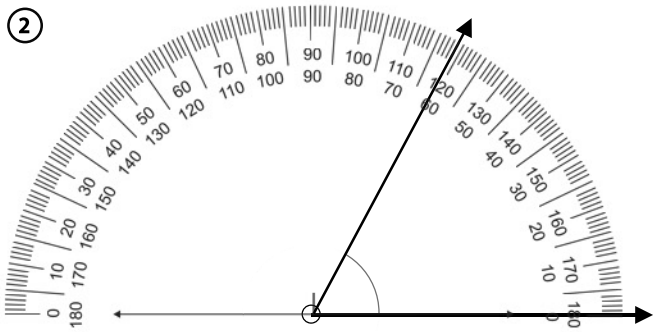
Use the protractor in each problem to determine the angle:

1



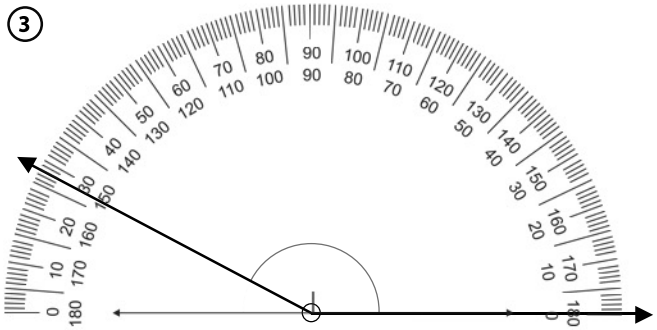
S 0° C 79° M 101° E 99°

2



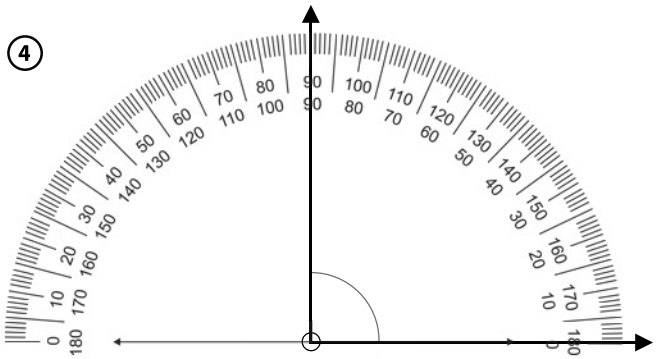
G 119° L 121° Y 78° B 61°

3



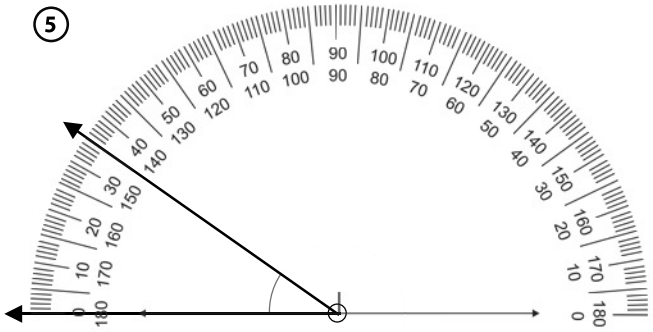
D 152° S 32° N 28° P 168°

4



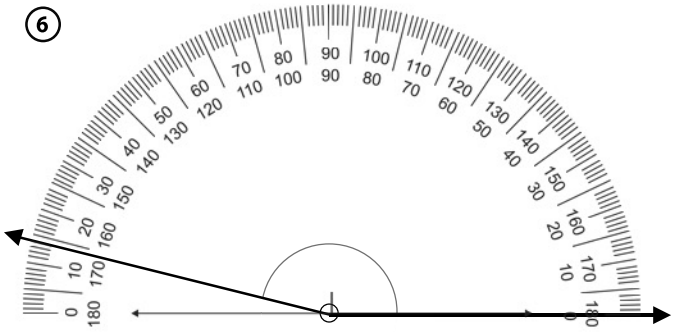
E 180° O 0° U 90° R 85°

5



E 155° S 145° O 45° A 35°

6



S 174° R 166° Z 14° E 25°

2	6	6	6		1	4	3	5

Skill: Determining angles using a protractor
CCSS: 4.MD.C.6

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why was the ghost bad at lying?

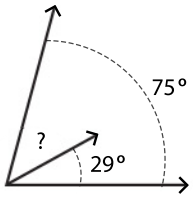
DIRECTIONS

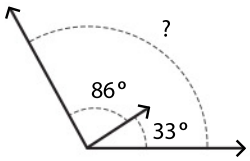
Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

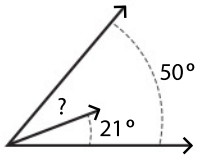
LEGEND

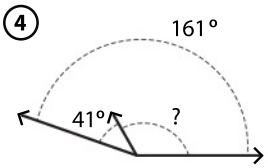
G 90°	I 6°	T 88°	D 80°	O 122°
U 18°	R 22°	H 36°	E 59°	Y 11°
S 119°	C 120°	L 46°	M 29°	

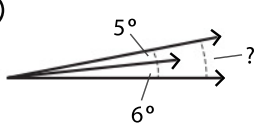
Determine the value of **?**:

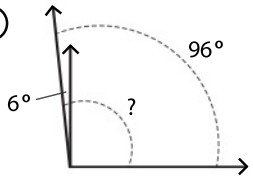
1. 

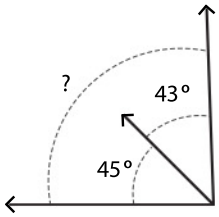
2. 

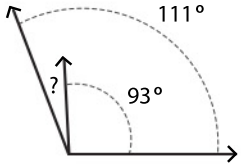
3. 

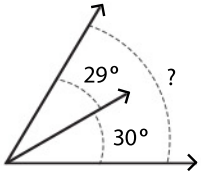
4. 

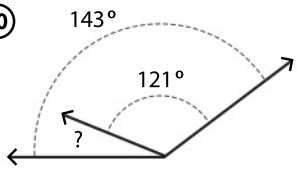
5. 

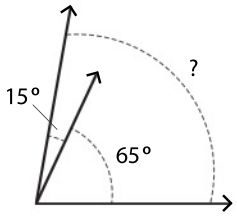
6. 

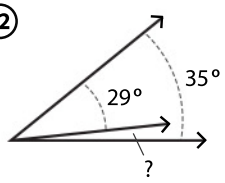
7. 

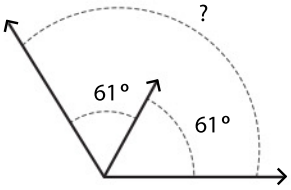
8. 

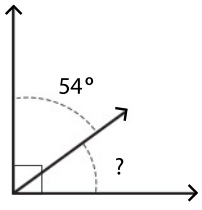
9. 

10. 

11. 

12. 

13. 

14. 

| | | | |

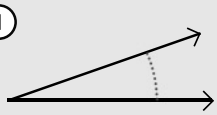
NAME: _____ DATE: _____

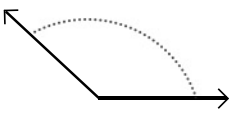
Why did the shy clock get thrown away?

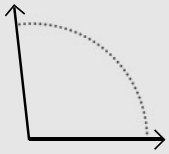
DIRECTIONS

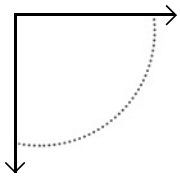
Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

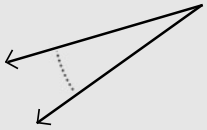
Determine if the angle is less, more, or equal to 90° :

1. 
   - S more
   - E less
   - P equal

2. 
   - C more
   - L less
   - B equal

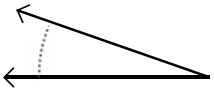
3. 
   - G more
   - M less
   - O equal

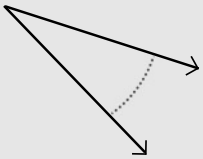
4. 
   - R more
   - O less
   - H equal

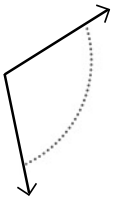
5. 
   - W more
   - D less
   - P equal

6.
   - U more
   - S less
   - C equal

7.
   - T more
   - A less
   - I equal

8. 
   - E more
   - K less
   - H equal

9. 
   - P more
   - N less
   - V equal

10. 
    - O more
    - I less
    - A equal

11.
    - T more
    - R less
    - D equal

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

Skill: Comparing angles to 90 degrees
CCSS: 4.G.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

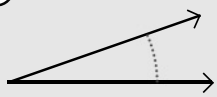
NAME: _____ DATE: _____

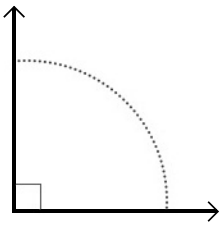
What did the limestone rock say to his wife?

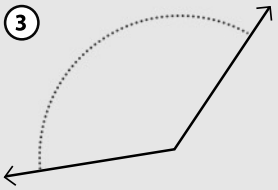
DIRECTIONS

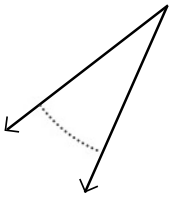
Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, choose which option describes the angle shown:

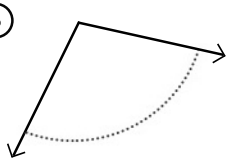
① 
- F acute
- M obtuse
- T right
- R straight

② 
- L acute
- E obtuse
- I right
- B straight

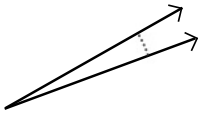
③ 
- M acute
- K obtuse
- P right
- Z straight

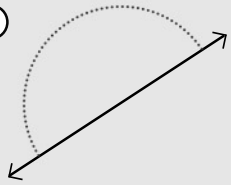
④ 
- D acute
- W obtuse
- B right
- C straight

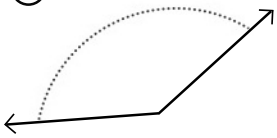
⑤
- B acute
- M obtuse
- T right
- S straight

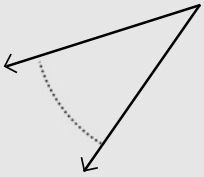
⑥ 
- V acute
- G obtuse
- N right
- P straight

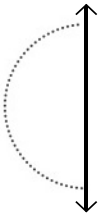
⑦
- R acute
- E obtuse
- N right
- P straight

⑧ 
- A acute
- O obtuse
- R right
- E straight

⑨ 
- I acute
- E obtuse
- U right
- O straight

⑩ 
- B acute
- R obtuse
- S right
- E straight

⑪ 
- T acute
- R obtuse
- M right
- E straight

⑫ 
- S acute
- O obtuse
- C right
- E straight

| | | |

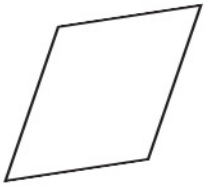
NAME: _____ DATE: _____

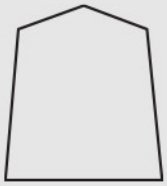
How did the scientist freshen his breath?

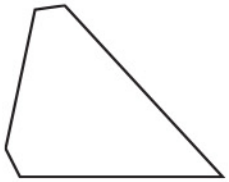
DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For problems **1–4**, determine how many **acute** angles are in the shape:

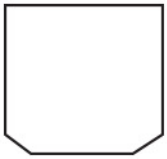
① 
- B 1
- R 2
- P 3
- L 4

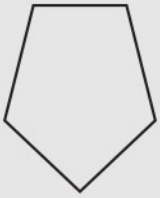
② 
- C 1
- H 2
- T 3
- M 4

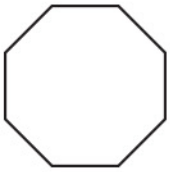
③ 
- T 0
- A 1
- B 2
- S 3

④
- B 0
- O 1
- G 2
- P 3

For problems **5–8**, determine how many **obtuse** angles are in the shape:

⑤ 
- V 1
- C 2
- E 3
- T 4

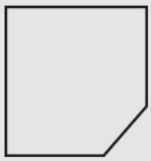
⑥ 
- Y 1
- D 2
- L 3
- M 4

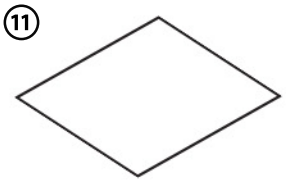
⑦ 
- L 6
- I 7
- X 8
- N 9

⑧
- B 0
- G 1
- E 2
- D 3

For problems **9–11**, determine how many **right** angles are in the shape:

⑨
- F 1
- N 2
- T 3
- X 4

⑩ 
- I 0
- S 1
- P 2
- E 3

⑪ 
- I 0
- O 1
- J 2
- A 3

| | | |

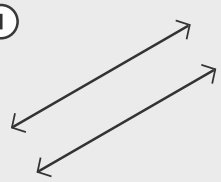
NAME: _____ DATE: _____

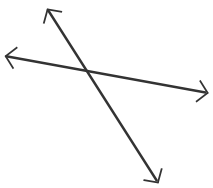
How do you fix a broken pumpkin?

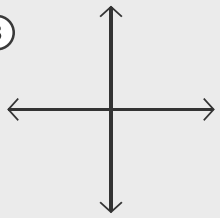
DIRECTIONS

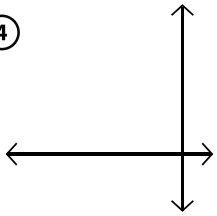
Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, determine whether the lines are parallel, perpendicular, or intersecting:

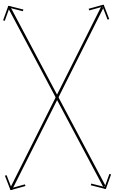
1. 
   - U parallel
   - L perpendicular
   - E intersecting

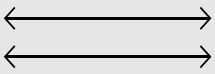
2. 
   - S parallel
   - E perpendicular
   - N intersecting

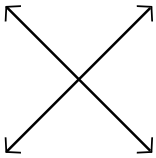
3. 
   - F parallel
   - C perpendicular
   - S intersecting

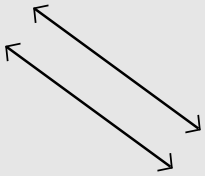
4. 
   - H parallel
   - W perpendicular
   - Y intersecting

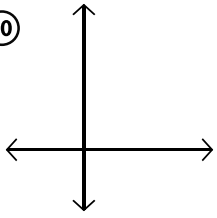
5.
   - K parallel
   - O perpendicular
   - L intersecting

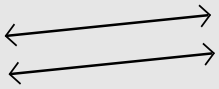
6. 
   - S parallel
   - R perpendicular
   - M intersecting

7. 
   - I parallel
   - O perpendicular
   - R intersecting

8. 
   - E parallel
   - H perpendicular
   - K intersecting

9. 
   - A parallel
   - I perpendicular
   - S intersecting

10. 
    - M parallel
    - T perpendicular
    - E intersecting

11. 
    - P parallel
    - R perpendicular
    - Z intersecting

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

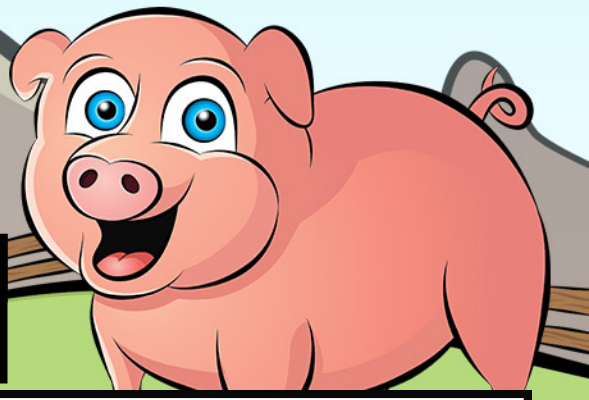
Skill: Determining parallel, perpendicular, or intersecting lines
CCSS: 4.G.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why can't you play basketball with pigs?



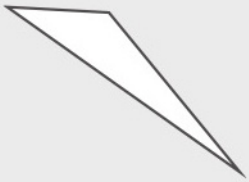
DIRECTIONS

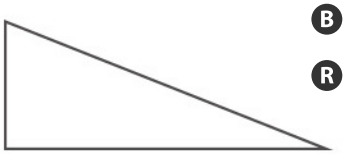
Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, determine whether the triangle is a right triangle by circling **Yes** or **No**:

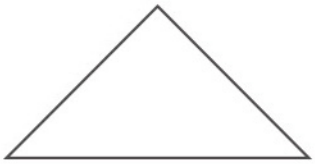
1.
   A Yes
   M No

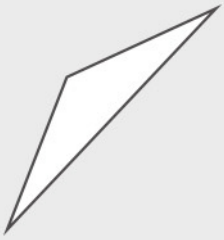
2.
   L Yes
   G No

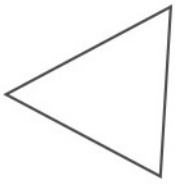
3. 
   D Yes
   Y No

4. 
   B Yes
   R No

5.
   I Yes
   O No

6. 
   E Yes
   A No

7. 
   L Yes
   T No

8. 
   T Yes
   L No

9.
   H Yes
   R No

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

Skill: Determining if a triangle is right
CCSS: 4.G.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

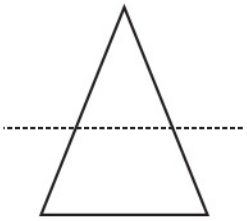
NAME: _____ DATE: _____

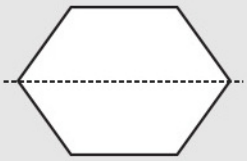
Why aren't cats good dancers?

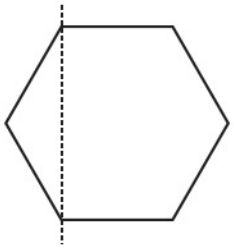
DIRECTIONS

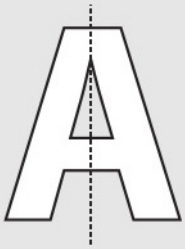
Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

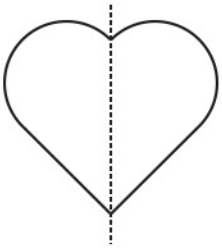
For each problem **1–5**, determine whether the line through the figure is a line of symmetry:

1. 
   - **B** Yes
   - **L** No

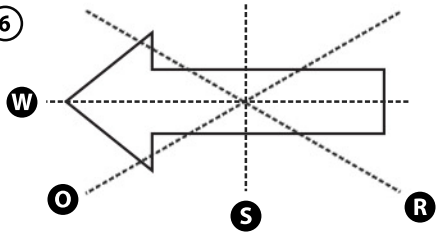
2. 
   - **A** Yes
   - **M** No

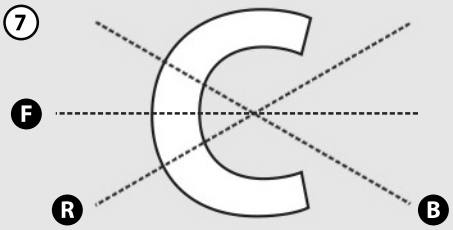
3. 
   - **E** Yes
   - **O** No

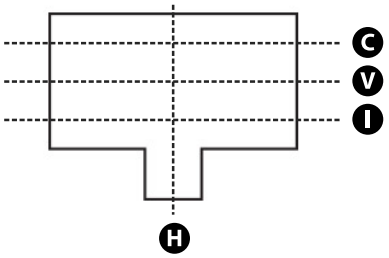
4. 
   - **Y** Yes
   - **D** No

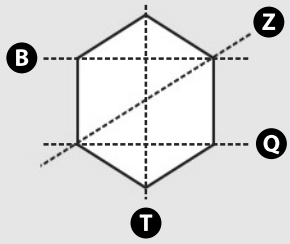
5. 
   - **V** Yes
   - **R** No

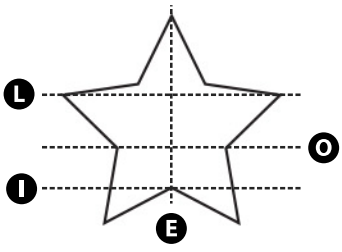
For each problem **6–10**, determine which line through the figure is a line of symmetry:

6. 

7. 

8. 

9. 

10. 

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

Skill: Determining symmetry
CCSS: 4.G.A.3

© Copyright 2019 ClassCrown™

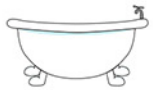
CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why do bears always have sticky fur?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem determine which answer best represents the volume:



Water in a bathtub
- A 5 cups
- M 80 gallons
- J 10 pints
- C 14 quarts

Soda in a can
- U Less than 2 cups
- B 5 pints
- A 1 gallon
- L 2 quarts

A ketchup packet
- C 2 gallons
- E 4 pints
- N Less than a cup
- F 4 quarts

Water in a large vase
- S Less than a cup
- T 1 pint
- N 4 quarts
- Y 2 gallons

5. Glass of chocolate milk
- P 1 gallon
- S 1 pint
- L 1 quart

6. Ink in a pen
- C Less than a cup
- B More than a pint
- V Close to a gallon

7. Water in a pool
- I Less than a cup
- V Several quarts
- A Many gallons

8. A jar of jam
- B About a pint
- E About a gallon
- S About a cup

9. A bottle of cold medicine
- E A cup
- O A gallon
- P A quart

10. Water used to water a house plant
- M 2 gallons
- L 2 quarts
- Y 2 cups

11. Lemonade in a pitcher
- M About half a cup
- H About half a gallon
- K About half a pint

12. Small carton of milk from cafeteria
- O About half a pint
- U About half a gallon
- A About half a quart

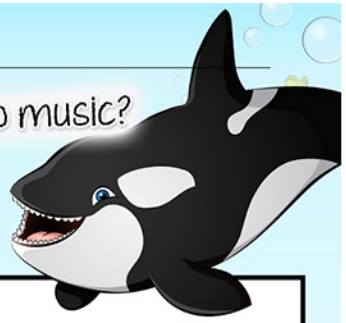
T	H	E	Y		U	S	E		A		H	O	N	E	Y		C	O	M	B
4	11	9	10		2	5	9		7		11	12	3	9	10		6	12	1	8

Skill: Estimating capacity, American
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

Where do killer whales like to listen to music?



DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, determine which choice is the best answer:

1. The length of a sofa
- G 7 miles
- C 7 feet
- L 7 inches

2. The length of an envelope
- R 9 inches
- B 9 yards
- D 9 feet

3. The height of a mountain
- H 3 miles
- S 3 inches
- O 3 yards

4. The length of a crayon
- T 4 yards
- M 4 feet
- S 4 inches

5. The width of a chair
- D 18 miles
- R 18 inches
- F 18 feet

6. The height of an orange
- A 5 inches
- T 5 yards
- S 5 feet

7. The height at which an airplane flies
- Y 5 feet
- L 5 yards
- E 5 miles

8. The length of a baby
- A 19 feet
- O 19 inches
- B 19 yards

9. The height of an action figure
- T 7 inches
- V 7 feet
- B 7 miles

10. The distance from a student's house to the neighborhood school
- E 2 inches
- S 2 yards
- A 2 miles

11. The height of a professional basketball player
- S 7 inches
- T 7 feet
- W 7 miles

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

Skill: Estimating length, American
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

What did one shark say to another on his birthday?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem **ANSWERS** match the numbered rectangles.

Fill in the blanks in the conversion tables below:

pounds	ounces
2	32 I
3	48 C
5 A	80
1 Y	16

yards	feet
10	30 H
2 D	6
5	15 A
4 N	12

cups	pints
6	3 A
12	6 T
18 F	9
22 S	11
28 I	14

minutes	hours
420	7 E
480	8 T
120 V	2
60 A	1

H	A	V	E		A		F	I	N	–	T	A	S	T	I	C		D	A	Y	!
30	15	120	7		3		18	28	4		6	60	22	8	32	48		2	5	1	

Skill: Conversion tables
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What did the teddy bear say when offered another piece of pie?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Determine which choice represents the best length or height of the item:

1. A cup of coffee
   - E 12 millimeters
   - **A 12 centimeters**
   - R 12 meters
2. A ladder
   - **M 3 meters**
   - F 3 centimeters
   - D 3 millimeters
3. A 2-story home
   - R 9 centimeters
   - **D 9 meters**
   - L 9 kilometers
4. A toothpick
   - H 25 meters
   - B 25 centimeters
   - **N 25 millimeters**
5. A fingernail
   - **U 10 millimeters**
   - E 10 centimeters
   - R 10 kilometers
6. A shoe
   - M 24 millimeters
   - **H 24 centimeters**
   - P 24 meters
7. A refrigerator
   - **K 170 centimeters**
   - B 170 meters
   - S 170 kilometers
8. A palm tree
   - L 15 centimeters
   - **E 15 meters**
   - R 15 kilometers
9. A pencil
   - A 14 kilometers
   - V 14 meters
   - **O 14 centimeters**
10. A grizzly bear
    - R 3 centimeters
    - **N 3 meters**
    - E 3 kilometers
11. A mountain
    - **I 4 kilometers**
    - A 4 meters
    - O 4 centimeters
12. A fence
    - W 2 millimeters
    - S 2 centimeters
    - **T 2 meters**
13. A banana
    - L 20 millimeters
    - **S 20 centimeters**
    - M 20 meters
14. An eyelash
    - **F 5 millimeters**
    - T 5 centimeters
    - S 5 meters

N	O		T	H	A	N	K	S		I	'	M		S	T	U	F	F	E	D
4	9		12	6	1	10	7	13		11		2		13	12	5	14	14	8	3

Skill: Estimating length, metric
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What was the cow's favorite movie genre?

DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom of page 2 to answer the riddle. **Note**: The problem numbers match the numbered rectangles.

A 8 cm	O 12.8 cm	I 5 cm	M 10 cm	O 11.5 cm
L 3.9 cm	S 6 cm	C 4.5 cm	S 2.1 cm	

LEGEND

Find the length of each bar using the ruler underneath:

① 4.5 cm C

② 12.8 cm O

③ 2.1 cm S

④ 8 cm A

⑤ 6 cm S

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What was the cow's favorite movie genre?

DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle. **Note**: The problem numbers match the numbered rectangles.

Find the length of each bar using the ruler underneath:

⑥ 11.5 cm O

⑦ 5 cm I

⑧ 3.9 cm L

⑨ 10 cm M

M	O	O	–	S	I	C	A	L	S
9	2	6		5	7	1	4	8	3

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What sound does a stegosaurus make when it's sleeping?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Determine which choice represents the best length or weight of the item:

1. A smart phone
   - O 5 ounces
   - G 2 pounds
   - R 1 ounce
2. A pencil
   - R 3 ounces
   - P 1 pound
   - N 0.2 ounces
3. A fork
   - A 5 ounces
   - I 2 pounds
   - U 15 ounces
4. A sofa
   - I 140 pounds
   - R 20 pounds
   - A 20 ounces
5. A candy bar
   - P 20 ounces
   - S 2 ounces
   - H 20 pounds
6. A piece of paper
   - N 0.1 ounces
   - P 1 ounce
   - C 1 pound
7. A full backpack
   - T 1 pound
   - E 15 pounds
   - S 15 ounces
8. A chihuahua
   - E 24 pounds
   - T 4 ounces
   - O 4 pounds
9. A big screen TV
   - R 75 pounds
   - G 15 ounces
   - L 15 pounds
10. An empty paper cup
    - B 5 pounds
    - R 5 ounces
    - D 0.5 ounces

A	D	I	N	O	–	S	N	O	R	E
3	10	4	2	8		5	6	1	9	7

Skill: Estimating weight, American
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What do cats like to eat on their birthday?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Use <, >, or = to compare weights in each of the problems below:

1. 1,867 grams (>) 1 kilogram
   - M <
   - K >
   - G =
2. 2 kilograms (>) 1,952 grams
   - A <
   - I >
   - E =
3. 7,789 grams (<) 8 kilograms
   - R <
   - S >
   - P =
4. 5,000 grams (=) 5 kilograms
   - B <
   - S >
   - N =
5. 3 kilograms (<) 3,007 grams
   - D <
   - K >
   - E =
6. 4,009 grams (<) 5 kilograms
   - M <
   - R >
   - P =
7. 10,060 grams (>) 10 kilograms
   - D <
   - C >
   - L =
8. 7 kilograms (=) 7,000 grams
   - E <
   - P >
   - A =
9. 9 kilograms (>) 8,807 grams
   - I <
   - E >
   - O =

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

Skill: Comparing weight, metric
CCSS: 4.MD.A.1

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

How many tickles does it take to make an octopus laugh?

DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

E $315.97	N $17.60	I $4.01	K $1.40	C $8.70
S $1.30	T $4.03	M $23.70	L $1.00	

Use **Table A** to answer problems 1–4 below:

Table A

Item	Price w/ Tax
brownie	$1.85
muffin	$2.10
cookie	$1.75
cupcake	$2.40

1. Jill bought a brownie and cookie with a $5 bill. How much change will she receive?
   $140 K
2. Jack bought a cupcake with a $20 bill. How much change will he receive?
   $17.60 N
3. Ruby bought a cupcake for herself and 3 muffins for her siblings. What will the total be?
   $8.70 C
4. If Ruby pays with a $10 bill, how much change will she receive?
   $1.30 S

Use **Table B** to answer problems 5–8 below:

Table B

Item	Price w/ Tax
42" TV	$215.99
Camera	$99.98
Smart Phone	$199
-	-

5. Jim bought a new 42" TV and paid with 2 $100 bills and a $20 bill. What will his change be?
   $4.01 I
6. Maxwell bought a new smart phone with 2 $100 bills. What will his change be?
   $1 L
7. Joseph bought a camera and a 42" TV. What was his total?
   $315.97 E
8. Joseph paid with 3 $100 bills and a $20 bill. What will his change be?
   $4.03 T

T	E	N		T	I	C	K	L	E	S
8	7	2		8	5	3	1	6	7	4

Skill: Buying with change
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

What do you call an alligator in a vest?

DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

G $21.05	T $0.05	A $115.30	N $9.95	E $18.95	O $3.90
L $2.70	V $63.50	R $36.50	S $6.10	I $4.70	

Andy bought 2 hot dogs and a bag of chips with a ten dollar bill. Hot dogs cost $2.50 and chips $1.10.

1. What was Andy's total?
   $6.10 S
2. How much change did Andy receive?
   $3.90 O

David bought a guitar for $63. He bought a pick for $0.50. He paid with a $100 bill.

3. What was David's total?
   $63.50 V
4. How much change did David receive?
   $36.50 R

Caleb bought a hammer for $12.75 and 2 bags of nails that cost $4.15 each. He paid with 2 $20 bills.

5. What was Caleb's total?
   $21.05 G
6. How much change did Caleb receive?
   $18.95 E

Julia bought a new shirt for $22.50, a pair of pants for $41.30, and 2 hoodies for $25.75 each. She paid with a $100 bill and a $20 bill.

7. What was Julia's total?
   $115.30 A
8. How much change did Julia receive?
   $4.70 I

Sara bought 5 bottles of nail polish for $1.99 each. She paid with a $10 bill.

9. What was Sara's total?
   $9.95 N
10. How much change did Sara receive?
    $0.05 T

A	N		I	N	-	V	E	S	T	-	I	-	G	A	T	O	R
7	9		8	9		3	6	1	10		8		5	7	10	2	4

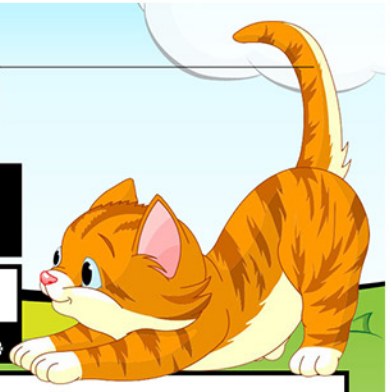
Skill: Determining change, multiple costs
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

What do you call a pile of kittens?



DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

A $3.75	E $2.80	A $10.20	T $1.10	N $4.70
W $5.05	O $5.00	M $28.30	I $5.50	

1. Sophia bought 2 dresses at the mall. If both dresses together cost $9.45 and she paid with a twenty dollar bill, how much change will she get back?
   $1.10 T

2. Truman bought 4 pencils that each cost $0.55. If he paid with a five dollar bill, how much change will he get?
   $2.80 E

3. Millie bought 5 pounds of strawberries for $3.25 per pound. If she paid with a twenty dollar bill, how much change will she get back?
   $3.75 A

4. Jamie bought 2 hammers at the hardware store. Each hammer cost $10.15 and he paid with a twenty dollar bill and a five dollar bill. How much change will he receive?
   $4.70 N

5. Jonathan bought 7 hotdogs for his family. If each hotdog cost $1.40 and he paid with a twenty, how much change will he get back?
   $10.20 A

6. Francine bought 6 books that each cost $5.75. If she paid with 2 twenty dollar bills, how much change will she receive?
   $5.50 I

7. Dylan and his sister bought 2 used bikes for $22.50 each. If they paid with a fifty dollar bill, how much change will they receive?
   $5.00 O

8. Ben bought 5 candy bars for $0.99 each. If he paid with a ten dollar bill, how much change will he receive?
   $5.05 W

9. Gwenyth bought 2 bouquets of flowers for $10.85 each. If she paid with a fifty dollar bill, what will her change be?
   $28.30 M

A	M	E	O	W	T	A	I	N
5	9	2	7	8	1	3	6	4

Skill: Determining change, one cost, multiple items
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

What pet should you never give your uncle?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. Jane swam 200 meters every day for 10 days. How many kilometers did she swim altogether?
   B 100 R 2 E 5 M 1

2. Ashley ran 3.2 kilometers on Saturday and 2.6 kilometers on Sunday. How many meters did she run altogether?
   T 5.8 S 580 N 5,800 M 58,000

3. An eraser is 4.1 cm long. If 2 erasers are placed end-to-end, how many mm long are the erasers together?
   O 8.2 E 82 I 820 K 41

4. Sandy rode her bike 40 meters. How many centimeters did she ride?
   S 4 B 400 T 4,000 W 40,000

5. Robert ran 200 meters every day for 6 days. How many kilometers did he run altogether?
   I 6 O 0.6 E 12 A 1.2

A	N	A	N	T	E	A	T	E	R
5	2	5	2	4	3	5	4	3	1

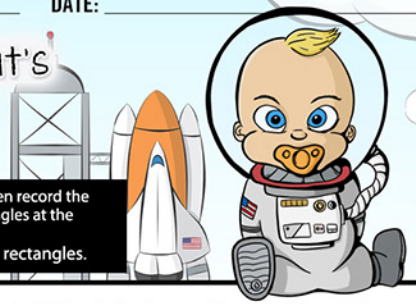
Skill: Solving word problems involving distance
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

How do you get an astronaut's baby to stop crying?



DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. Heather's soccer game started at 2:30 pm and ended at 4:00 pm. How long was her soccer game?
   - B 2 hrs
   - P 2 hrs 30 mins
   - **U 1 hr 30 mins**
   - S 1 hr 45 mins

2. Nori worked on her math homework from 7:15 pm to 8:00 pm. How long did she work?
   - L 30 mins
   - **K 45 mins**
   - M 1 hr
   - I 1 hr 30 mins

3. Fred ran from 2:00 pm to 2:30 pm and Sam ran from 2:00 pm to 2:15 pm. How much longer did Fred run than Sam?
   - **Y 15 mins**
   - S 30 mins
   - B 45 mins
   - F 1 hr

4. Bri watched a TV show from 9:45 am to 10:15 am. How long did she watch the show?
   - L 15 mins
   - **T 30 mins**
   - R 45 mins
   - N 1 hr

5. Dianne worked on her art project for 14 days. How many weeks did she work on the project?
   - S 1
   - **C 2**
   - L 3
   - S 4

6. Finn ran a mile in 10 minutes. If he did that every day for a week, how long did he run altogether?
   - I 1 hr
   - **E 1 hr 10 mins**
   - O 1 hr 15 mins
   - S 1 hr 30 mins

7. Will went to the library every day for 21 days. How many weeks did he go to the library?
   - P 1
   - M 2
   - **R 3**
   - T 4

8. Zack worked on writing a book for 36 months. How many years did he work on his book?
   - I 1
   - E 2
   - **O 3**
   - U 4

Y	O	U		R	O	C	K	E	T
3	8	1		7	8	5	2	6	4

Skill: Solving word problems involving intervals of time
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

What kind of haircut did the bee get?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. Brooke drinks 2 liters of water during her soccer games. How many milliliters did she drink after two games?
   - R 4.0
   - L 400
   - **T 4,000**
   - N 40,000

2. A horse drank 5.5 liters of water. How many centiliters did the horse drink?
   - R 55
   - **C 550**
   - M 5,500
   - P 55,000

3. A pot holds 1 quart. How many 16 oz. cans of beans can fit in the pot?
   - I 1
   - **A 2**
   - O 3
   - S 4

4. There are 2 cups of milk in a glass. If you add 4 oz. of chocolate syrup, what is the volume of the mixture in ounces.
   - R 16
   - **B 20**
   - S 24
   - T 28

5. Rachel had a gallon of water. She used 3 cups to wash her hands and then drank 3 cups. How many cups were left after this?
   - O 6
   - E 8
   - **U 10**
   - A 12

6. A glass holds 2 pints. A vase holds 28 ounces. A pot holds 2 quarts. Which container holds the least amount?
   - R the glass
   - **Z the vase**
   - S the pot

A		B	U	Z	Z	Z	Z		C	U	T
3		4	5	6	6	6	6		2	5	1

Skill: Solving word problems involving liquid volumes
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

How do you get a squirrel to like you?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

1. If a container holds 320 grams of salt and you use half of it, how much will be left in the container in grams?

   B 150 **C 160** O 170 U 180

2. Matt took 3.5 kilograms of sand and split it equally into 5 containers. How much sand, in grams, was in each container?

   S 7 T 70 **Y 700** E 7,000

3. Ben, James, and Sam together weigh a total of 210 kg. Ben weighs 80 kg. James and Sam weigh the same amount. How much do James and Sam weigh?

   A 65 kg. E 75 kg. I 85 kg. O 95 kg.

4. The total mass of 10 chocolate bars is 1.2 kilograms. What is the mass of each chocolate bar in grams?

   P 12,000 S 1,200 **N 120** R 12

5. A toy boat weighs 1.4 kilograms. What will the mass of 2 of these boats be in grams?

   E 2.8 O 28 A 280 **U 2,800**

6. Avery bought 4.2 kilograms of strawberries. Her family ate half of the strawberries. How many grams of strawberries did they eat?

   E 2.1 H 210 **T 2,100** Y 21,000

A	C	T		N	U	T	T	Y
3	1	6		4	5	6	6	2

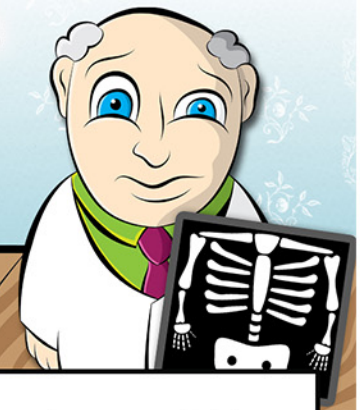
Skill: Solving word problems involving mass
CCSS: 4.MD.A.2

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why should you never lie to a doctor who is taking your x-ray?



DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

L 180 in²	Y 64 in²	H 126 in²	E 125 in²	G 112 in²
U 700 in²	T 27 in²	R 315 in²	O 225 in²	
W 9 in²	I 110 in²	S 84 in²		

Find the area of each rectangle:

1. 12 in. × 7 in. — **84 in² S**
2. 9 in. × 1 in. — **9 in² W**
3. 15 in. × 15 in. — **225 in² O**
4. 6 in. × 30 in. — **180 in² L**
5. 10 in. × 11 in. — **110 in² I**
6. 9 in. × 3 in. — **27 in² T**
7. 4 in. × 28 in. — **112 in² G**
8. 8 in. × 8 in. — **64 in² Y**
9. 21 in. × 15 in. — **315 in² R**
10. 100 in. × 7 in. — **700 in² U**
11. 5 in. × 25 in. — **125 in² E**
12. 21 in. × 6 in. — **126 in² H**

H	E		W	I	L	L		S	E	E		R	I	G	H	T		T	H	R	O	U	G	H		Y	O	U
12	11		2	5	4	4		1	11	11		9	5	7	12	6		6	12	9	3	10	7	12		8	3	10

Skill: Finding area of rectangles
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why didn't the boy look for his missing watch?

DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

V 34 in	N 700 in	U 12 in	O 420 in	R 18 in
D 14 in	I 11 in	H 1240 in	E 1600 in	T 176 in
F 32 in	C 24 in	L 30 in	M 26 in	

LEGEND

Find the perimeter of each rectangle:

① 10 in., 5 in. — **30 in L**

② 7 in., 9 in. — **32 in F**

③ 11 in., 2 in. — **26 in M**

④ 6 in. — **24 in C**

⑤ 1 in., 8 in. — **18 in R**

⑥ 5 in., 12 in. — **34 in V**

⑦ 100 in., 110 in. — **420 in O**

⑧ 2 in., 4 in. — **12 in U**

⑨ 300 in., 50 in. — **700 in N**

⑩ 66 in., 22 in. — **176 in T**

⑪ 4 in., 3 in. — **14 in D**

⑫ 310 in. — **1240 in H**

⑬ 0.5 in., 5 in. — **11 in I**

⑭ 200 in., 600 in. — **1600 in E**

H	E		C	O	U	L	D		N	E	V	E	R		F	I	N	D		T	H	E		T	I	M	E
12	14		4	7	8	1	11		9	14	6	14	5		2	13	9	11		10	12	14		10	13	3	14

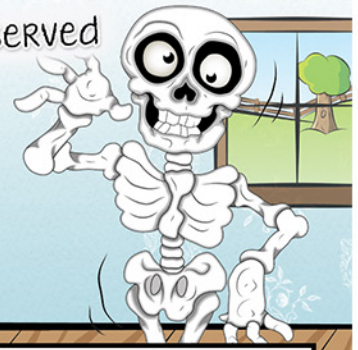
Skill: Finding perimeter of rectangles
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What did the skeleton say when he served his friends dinner?



DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

T 4	E 410	B 200	R 632	N 25
I 5,400	O 32	P 22	A 6	

LEGEND

① Sally's garden measures 8 feet by 4 feet. What is the area of her garden? **32 O** ft²

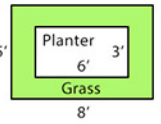
② Terry made a quilt that had an area of 24ft². If the quilt was 4 feet wide, what was its length? **6 A** ft

③ A field measures 100 feet long and 54 feet wide. What is the area of the field? **5400 I** ft²

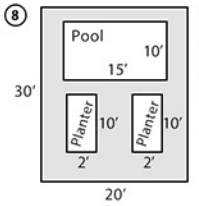
④ A rectangle is 25 feet high and 8 feet wide. What is its area? **200 B** ft²

⑤ A square tile measures 2 feet high. What is the tile's area? **4 T** ft²

⑥ Cedric is putting a rectangular pool in his backyard. The area of the pool is 250 ft². The width of the pool is 10 ft. What is its length? **25 N** ft

⑦ 

Jude's garden has a rectangular planter that is surrounded by grass, as shown in the picture. What is the area of the grass? **22 P** ft²

⑧ 

Fred's backyard includes a pool and 2 planters, as shown in the picture. The remaining area of the yard is concrete. What is the area of the concrete space? **410 E** ft²

B	O	N	E		A	P	P	E	T	I	T	E	!
4	1	6	8		2	7	7	8	5	3	5	8	

Skill: Finding area of rectangles, word problems
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

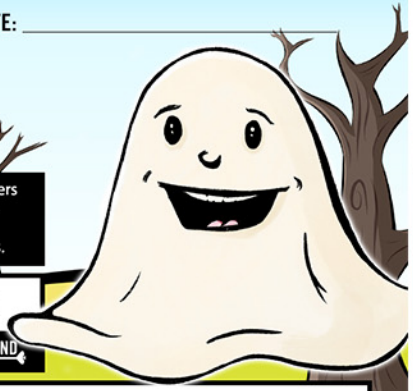
CLASS CROWN WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

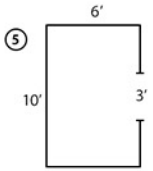
What is in a ghost's nose?



DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

T 120	S 18	B 96	E 54
G 8	R 29	O 4	

LEGEND

1. Adele is installing a fence around her rectangular garden. If the garden is 12 feet wide by 15 feet long, how many feet of fencing does she need?
   54 E ft
2. Joseph's favorite blanket is 3 feet wide. Its length is twice its width. What is the blanket's perimeter?
   18 S ft
3. Bella is sewing a piece of ribbon around the perimeter of a square piece of cloth. One side measures two 2 ft. How much ribbon does she need?
   8 G ft
4. Eli is installing baseboard along the perimeter of 2 bedrooms, each 12 ft x 12 ft. How much baseboard does he need?
   96 B ft
5. 

   Graham's garden has a fence with a 3 ft. opening, as shown in the picture. If he wants to replace the fence, how much fencing does he need to buy?
   29 R ft
6. Jenn is gluing ribbon around the perimeter of a decorative box. The box is 14 inches long and 9 inches wide. She has 50 inches of ribbon. How much will be left when she is done?
   4 O ft

B	O	O	–	G	E	R	S
4	6	6		3	1	5	2

Skill: Finding perimeter, word problems
CCSS: 4.MD.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

Why did the weight lifter only work out on Saturday and Sunday?

DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

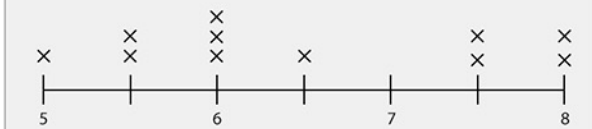
D 11	S 6	T 1	R 4	A 9	K 8
E 3	Y 15	N 12	H 7	W 5	

LEGEND

Use **Line Plot A** to answer problems 1–5:

Line Plot A

Shoe sizes of students in a class

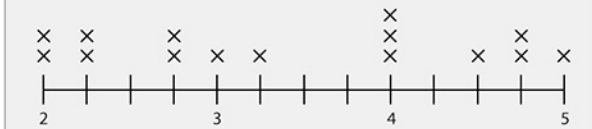


1. What is the shoe size with the most number of students?
   6 S
2. Which shoe size do none of the students wear?
   7 H
3. How many students wear sizes with a half size?
   5 W
4. How many students wear a size 6 or larger?
   8 K
5. How many total students are represented?
   11 D

Use **Line Plot B** to answer problems 6–10:

Line Plot B

Distance, in miles, that students live from school



6. How many total students are represented?
   15 Y
7. How many students live $3\frac{1}{4}$ miles from school?
   1 T
8. Which number of miles has the most students living that far away?
   4 R
9. How many students live 3 or more miles away?
   9 A
10. How many students live $4\frac{3}{4}$ miles or more away?
    3 E

T	H	E		R	E	S	T		A	R	E		W	E	A	K		D	A	Y	S
7	2	10		8	10	1	7		9	8	10		3	10	9	4		5	9	6	1

Skill: Interpreting line plots that include fractions
CCSS: 4.MD.B.4

© Copyright 2019 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

What's a banker's favorite gymnastic event?

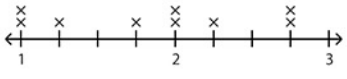
DIRECTIONS Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

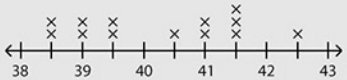
T 1	V $1\frac{1}{8}$	U $\frac{7}{8}$
A 4	L $1\frac{3}{4}$	M 3

Use the line plots to answer each question:

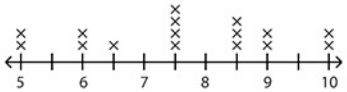
1. The line plot shows how many miles Josie walked each day.
What is the difference in distance between the most and fewest miles she walked in a day? _____ $1\frac{3}{4}$ B



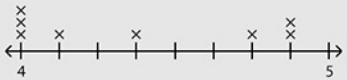
2. The line plot shows the height (in inches) of students in a kindergarten class.
What is the difference (in inches) between the tallest student(s) and the shortest student(s) in class?
_____ 4 A



3. The line plot shows the shoe sizes of several athletes.
What is the difference in sizes between the size with the most number of athletes and the size with the least number of athletes? _____ 1 T



4. The line plot shows the height (in inches) of different phones.
What is the difference in height between the tallest and shortest phone? _____ $\frac{7}{8}$ U



5. The line plot shows the distances students ran in 10 minutes.
What is the difference in distance between the most and least miles run by the students? _____ $1\frac{1}{8}$ V

V	A	U	L	T
5	2	4	1	3

Skill: Interpreting line plots that include fractions
CCSS: 4.MD.B.4

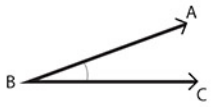
© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

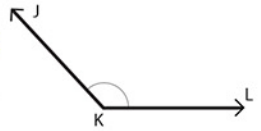
What do elves learn at school?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

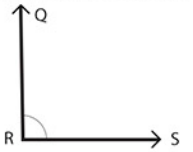
1. Which choice best represents ∠ABC?
C 75°
R 145°
B 20°
A 49°



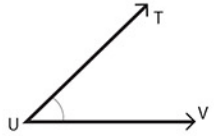
2. Which choice best represents ∠JKL?
L 80°
H 133°
C 60°
M 175°



3. Which choice best represents ∠QRS?
L 91°
D 72°
V 133°
E 789°



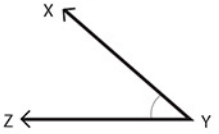
4. Which choice best represents ∠TUV?
F 63°
N 111°
S 92°
A 44°



5. Which choice best represents ∠ABC?
P 39°
F 14°
R 73°
O 102°

6. Which choice best represents ∠JKL?
T 172°
E 130°
Q 50°
W 10°

7. Which choice best represents ∠XYZ?
X 11°
R 163°
E 41°
O 92°



T	H	E		E	L	F	–	A	B	E	T
6	2	7		7	3	5		4	1	7	6

Skill: Estimating angle measurement
CCSS: 4.MD.C.5.A

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

Why was the baby raspberry crying?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Choose the correct answer to describe each angle:

① 125°	L acute	**W obtuse**	G right	O straight
② 52°	**H acute**	A obtuse	B right	M straight
③ 90°	C acute	F obtuse	**O right**	T straight
④ 17°	**I acute**	A obtuse	T right	S straight
⑤ 2°	**R acute**	F obtuse	H right	I straight
⑥ 95°	S acute	**J obtuse**	B right	V straight
⑦ 180°	M acute	T obtuse	Z right	**N straight**
⑧ 173°	O acute	**E obtuse**	L right	P straight
⑨ 73°	**M acute**	B obtuse	K right	I straight
⑩ 39°	**D acute**	C obtuse	W right	R straight
⑪ 91°	E acute	**A obtuse**	P right	L straight

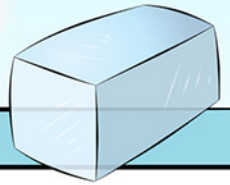
H	E	R	M	O	M	A	N	D	D	A	D	W	E	R	E	I	N	A	J	A	M
2	8	5	9	3	9	11	7	10	10	11	10	1	8	5	8	4	7	11	6	11	9

Skill: Determining if an angle is acute, obtuse, right, or straight
CCSS: 4.MD.C.5.A

© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

Where did the ice cube go on vacation?



DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Use the protractor in each problem to determine the angle:

① S 0° C 79° **M 101°** E 99°

② G 119° L 121° Y 78° **B 61°**

③ **D 152°** S 32° N 28° P 168°

④ E 180° O 0° **U 90°** R 85°

⑤ E 155° S 145° O 45° **A 35°**

⑥ S 174° **R 166°** Z 14° E 25°

B	R	R	R	–	M	U	D	A
2	6	6	6		1	4	3	5

Skill: Determining angles using a protractor
CCSS: 4.MD.C.6

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

Why was the ghost bad at lying?

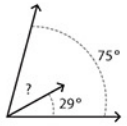
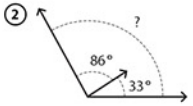
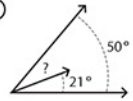
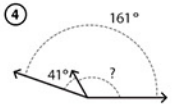
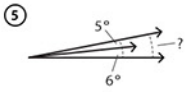
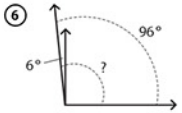
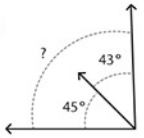
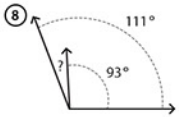
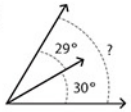
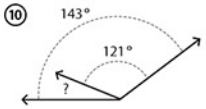
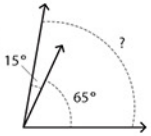
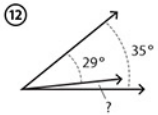
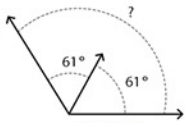
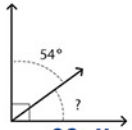
DIRECTIONS

Solve the following problems and match your answers to the answers in the **Legend**. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

LEGEND

G 90°	I 6°	T 88°	D 80°	O 122°
U 18°	R 22°	H 36°	E 59°	Y 11°
S 119°	C 120°	L 46°	M 29°	

Determine the value of ?:

1.  46° L
2.  119° S
3.  29° M
4.  120° C
5.  11° Y
6.  90° G
7.  88° G
8.  18° U
9.  59° E
10.  22° R
11.  80° D
12.  6° I
13.  122° O
14.  36° H

YOU	COULD	SEE	RIGHT	THROUGH	HIM
5 13 8	4 13 8 1 11	2 9 9	10 12 6 14 7	7 14 10 13 8 6 14	14 12 3

Skill: Determining value of unknown angles
CCSS: 4.MD.C.7

© Copyright 2019 ClassCrown™

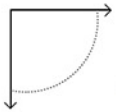
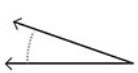
NAME: _____ DATE: _____

Why did the shy clock get thrown away?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

Determine if the angle is less, more, or equal to 90°:

1. S more, E less, P equal
2. C more, L less, B equal
3. G more, M less, O equal
4.  R more, O less, H equal
5. W more, D less, P equal
6. U more, S less, C equal
7. T more, A less, I equal
8.  E more, K less, H equal
9. P more, N less, V equal
10. O more, I less, A equal
11. T more, R less, D equal

IT	DIDN'T	TOCK	ENOUGH
7 11	5 7 5 9 11	11 10 2 8	1 9 10 6 3 4

Skill: Comparing angles to 90 degrees
CCSS: 4.G.A.1

© Copyright 2019 ClassCrown™

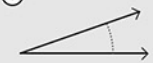
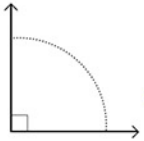
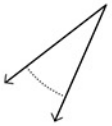
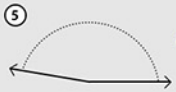
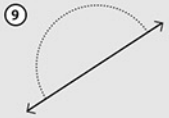
© Copyright 2017 ClassCrown™

NAME: _____ DATE: _____

What did the limestone rock say to his wife?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, choose which option describes the angle shown:

① 	**F** acute **M** obtuse **T** right **R** straight	② 	**L** acute **E** obtuse **I** right **B** straight
③	**M** acute **K** obtuse **P** right **Z** straight	④ 	**D** acute **W** obtuse **B** right **C** straight
⑤ 	**B** acute **M** obtuse **T** right **S** straight	⑥	**V** acute **G** obtuse **N** right **P** straight
⑦	**R** acute **E** obtuse **N** right **P** straight	⑧	**A** acute **O** obtuse **R** right **E** straight
⑨ 	**I** acute **E** obtuse **U** right **O** straight	⑩	**B** acute **R** obtuse **S** right **E** straight
⑪	**T** acute **R** obtuse **M** right **E** straight	⑫	**S** acute **O** obtuse **C** right **E** straight

D	O	N	’	T		T	A	K	E		M	E		F	O	R		G	R	A	N	I	T	E
4	9	7		11		11	8	3	12		5	12		1	9	10		6	10	8	7	2	11	12

Skill: Determining if an angle is acute, obtuse, right, or straight
CCSS: 4.G.A.1

© Copyright 2019 ClassCrown™

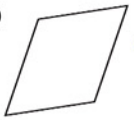
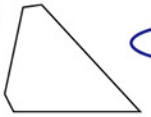
CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

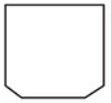
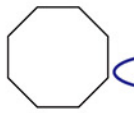
How did the scientist freshen his breath?

DIRECTIONS Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

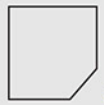
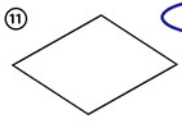
For problems **1–4**, determine how many **acute** angles are in the shape:

① 	**B** 1 **R** 2 **P** 3 **L** 4	②	**C** 1 **H** 2 **T** 3 **M** 4	③ 	**T** 0 **A** 1 **B** 2 **S** 3
④	**B** 0 **O** 1 **G** 2 **P** 3				

For problems **5–8**, determine how many **obtuse** angles are in the shape:

⑤ 	**V** 1 **C** 2 **E** 3 **T** 4	⑥	**Y** 1 **D** 2 **L** 3 **M** 4	⑦ 	**L** 6 **I** 7 **X** 8 **N** 9
⑧	**B** 0 **G** 1 **E** 2 **D** 3				

For problems **9–11**, determine how many **right** angles are in the shape:

⑨	**F** 1 **N** 2 **T** 3 **X** 4	⑩ 	**I** 0 **S** 1 **P** 2 **E** 3	⑪ 	**I** 0 **O** 1 **J** 2 **A** 3

H	E		D	I	D		A	N		E	X	P	E	R	I	-	M	I	N	T
2	10		3	5	8		3	9		10	7	4	8	1	11		6	11	9	5

Skill: Finding angles within shapes
CCSS: 4.G.A.1

© Copyright 2019 ClassCrown™

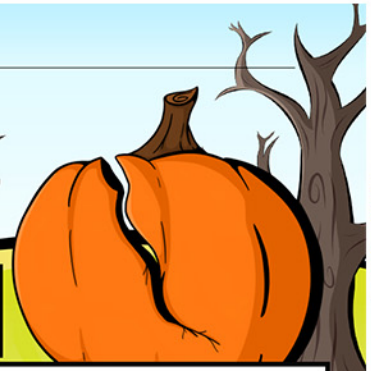
CLASS CROWN™ WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

NAME: _____ DATE: _____

How do you fix a broken pumpkin?



DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, determine whether the lines are parallel, perpendicular, or intersecting:

1. (U) parallel (L) perpendicular (E) intersecting
2. (S) parallel (E) perpendicular (N) intersecting
3. (F) parallel (C) perpendicular (S) intersecting
4. (H) parallel (W) perpendicular (Y) intersecting
5. (K) parallel (O) perpendicular (L) intersecting
6. (S) parallel (R) perpendicular (M) intersecting
7. (I) parallel (O) perpendicular (R) intersecting
8. (E) parallel (H) perpendicular (K) intersecting
9. (A) parallel (I) perpendicular (S) intersecting
10. (M) parallel (T) perpendicular (E) intersecting
11. (P) parallel (R) perpendicular (Z) intersecting

W	I	T	H		A		P	U	M	P	K	I	N		P	A	T	C	H
4	7	10	8		9		11	1	6	11	5	7	2		11	9	10	3	8

Skill: Determining parallel, perpendicular, or intersecting lines
CCSS: 4.G.A.1

© Copyright 2019 ClassCrown™

NAME: _____ DATE: _____

Why can't you play basketball with pigs?

DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem below, determine whether the triangle is a right triangle by circling **Yes** or **No**:

1. (A) Yes (M) No
2. (L) Yes (G) No
3. (D) Yes (Y) No
4. (B) Yes (R) No
5. (I) Yes (O) No
6. (E) Yes (A) No
7. (L) Yes (T) No
8. (T) Yes (L) No
9. (H) Yes (R) No

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

Skill: Determining if a triangle is right
CCSS: 4.G.A.2

© Copyright 2019 ClassCrown™

© Copyright 2017 ClassCrown™

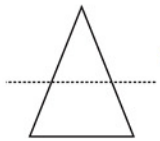
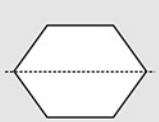
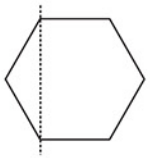
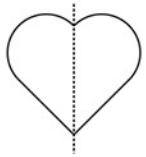
NAME: _____ DATE: _____

Why aren't cats good dancers?

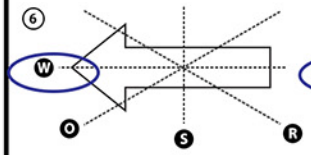
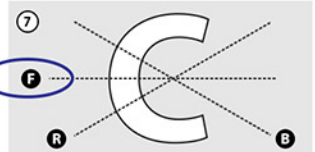
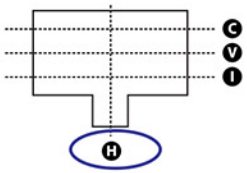
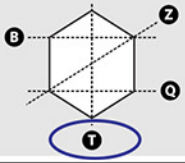
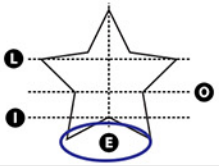
DIRECTIONS

Solve the following problems in the sections below. Then record the corresponding letter of the correct answer in the rectangles at the bottom to answer the riddle.
Note: The problem numbers match the numbered rectangles.

For each problem **1–5**, determine whether the line through the figure is a line of symmetry:

1.  B Yes / L No
2.  A Yes / M No
3.  E Yes / O No
4. Y Yes / D No
5.  V Yes / R No

For each problem **6–10**, determine which line through the figure is a line of symmetry:

6.  W, O, S, R
7.  F, R, B
8.  C, V, I, H
9.  B, Z, Q, T
10.  L, O, I, E

T	H	E	Y	H	A	V	E	T	W	O	L	E	F	T	F	E	E	T
9	8	10	4	8	2	5	10	9	6	3	1	10	7	9	7	10	10	9

Skill: Determining symmetry
CCSS: 4.G.A.3

© Copyright 2019 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

© Copyright 2017 ClassCrown™

CLASS CROWN™ WWW.CLASSCROWN.COM

YOU'RE AWESOME!

Thank **YOU** for being a teacher. It's a tough but crucial job and we want to commend you for all your hard work. We know you have a lot of choices out there, so we also want to thank you for supporting us and trying out our products. We are trying extra hard to make teaching a little easier, so please let us know if anything is not to your satisfaction.

Contact email: support@classcrown.com

KEEP UP THE GOOD WORK!

Click here to download your free C.A.T seal
(**C**ertified **A**wesome **T**eacher)

CLASS CROWN™
WWW.CLASSCROWN.COM