

**ADDITION
AND
SUBTRACTION
WITH A
HAPPY
ENDING**

STEVE & JANIS MARCY



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Illustrations by Bob Larsen

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Marcy Mathworks
11664 National Blvd.
PMB 330
Los Angeles, CA 90064

FAX: (310) 398-5893

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Notes from the authors . . .

Addition and Subtraction With a Happy Ending is designed to provide practice for students learning the basic skills of addition and subtraction of whole numbers. Certain features are designed into the puzzles both to spark enthusiasm and to make this practice more effective.

CAREFUL EXERCISE SELECTION. Exercises are sequenced to guide students in incremental, step-by-step fashion toward understanding of the procedure involved. Students practice through an appropriate range of exercises for the topic.

KNOWLEDGE OF RESULTS. We all need feedback and confirmation when we work, especially when learning new skills. Built into *Addition and Subtraction* puzzles are various devices for giving the student immediate feedback as exercises are completed. For example, if an answer is not in the scrambled answer list or code, the student knows it is incorrect. Students work with great confidence.

MOTIVATING GOALS FOR STUDENTS. Each puzzle solution is a goal that can motivate students. They find hidden messages, pictures, funny poems, riddle answers, punchlines, etc., in the process of checking their answers. These goals act as incentives to keep students working and, when discovered, provide a sense of closure and success. The variety and novelty of procedures are additional sources of student motivation. We hope that each puzzle does, indeed, provide a happy ending.

Steve and Janis Marcy

Suggestions for using the puzzles . . .

Addition and Subtraction With a Happy Ending can serve a variety of purposes. Since most of them provide practice in one or two specific skills, they are suitable for classwork or homework practice following the introduction of a new skill. They are ideal for an individualized or home-schooling program, as students can work independently on puzzles selected to meet their specific needs.

DIRECTIONS. Directions for each puzzle are simple and concise. Students can figure them out as they would the rules of a new game, either alone or in groups. You may want to work through the first few exercises with your students, showing where the answers go, etc.

OBJECTIVES. Each puzzle provides practice with one or two skills, which can be identified with specific objectives. A list of objectives and the specific puzzles that provide practice for each is given on page 5. A complete answer section is included at the back of the book.

TABLE OF OBJECTIVES

<u>The student will be able to:</u>	<u>Page numbers:</u>
1. Demonstrate knowledge of place values.	7, 8
2. Demonstrate knowledge of basic addition facts.	9
3. Add one and two digit numbers (regrouping not required).	10
4. Add one and two digit numbers (regrouping required).	11, 12, 13, 14, 15, 16
5. Add three and four digit numbers.	17, 18, 19, 20, 21
6. Solve addition problems involving money.	22
7. Solve addition problems with more than two addends.	15, 16, 20, 21
8. Demonstrate knowledge of basic subtraction facts.	23
9. Subtract one and two digit numbers (regrouping not required).	24, 25
10. Subtract two digit numbers (regrouping required).	26, 27, 28, 29, 30, 31
11. Find the missing addend when another addend and their sum are given.	31
12. Subtract three and four digit numbers.	32, 33, 34, 35, 36, 37, 38
13. Solve subtraction problems with zero(s) in the minuend.	34, 35
14. Solve subtraction problems involving money.	39
15. Solve mixed addition and subtraction problems with one and two digit numbers.	40, 41, 42
16. Solve mixed addition and subtraction problems with three and four digit numbers.	43, 44, 45
17. Solve verbal problems requiring addition or subtraction.	45, 46, 47

PLACE VALUE DECODER

Figure out which digit has the given place value in each number below. Write these digits, in order, into the first row of boxes at the bottom of the page. Then use the decoder key to decode each digit. As you decode each digit, write the letters into the bottom row of boxes.

1	96	(TENS)	10	4001	(THOUSANDS)
2	35	(ONES)	11	803	(TENS)
3	506	(HUNDREDS)	12	6000	(HUNDREDS)
4	277	(TENS)	13	3796	(ONES)
5	674	(ONES)	14	8192	(THOUSANDS)
6	1792	(ONES)	15	40	(TENS)
7	500	(HUNDREDS)	16	3218	(THOUSANDS)
8	2020	(TENS)	17	7251	(ONES)
9	5280	(THOUSANDS)	18	9610	(HUNDREDS)

Why Couldn't Orgo Keep His Waterbed a Secret?

TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

1. Give the value of the underlined digit in each number below. Then find this value in the list of choices under that number.
2. The number in parentheses next to the correct choice tells you where to put the letter of the problem in the boxes at the bottom of the page.

(E) <u>2</u> 6 2×1 (3) 2×10 (7) 2×100 (10)	(A) <u>9</u> 3 3×1 (12) 3×10 (17) 3×100 (6)	(D) <u>2</u> 47 4×1 (9) 4×10 (15) 4×100 (2)
(A) 3 <u>8</u> 7 7×1 (4) 7×10 (1) 7×100 (16)	(T) <u>8</u> 15 8×1 (6) 8×10 (1) 8×100 (9)	(O) 6 <u>3</u> 04 3×10 (14) 3×100 (16) 3×1000 (5)
(E) 14 <u>9</u> 8 9×1 (8) 9×10 (2) 9×1000 (5)	(I) <u>7</u> 906 7×10 (11) 7×100 (17) 7×1000 (8)	(E) <u>2</u> 601 2×1 (6) 2×100 (13) 2×1000 (14)
(S) 3 <u>4</u> 8 4 (10) 40 (6) 400 (13)	(C) <u>2</u> 90 2 (5) 20 (18) 200 (3)	(E) <u>8</u> 903 80 (10) 800 (17) 8000 (11)
(U) 56 <u>2</u> 8 2 (13) 20 (5) 200 (1)	(U) <u>9</u> 375 30 (10) 300 (17) 3000 (1)	(B) <u>6</u> 608 0 (1) 10 (10) 100 (18)
(T) 14 <u>9</u> 8 8 (18) 80 (10) 800 (13)	(K) <u>5</u> 026 0 (13) 10 (6) 100 (10)	(L) <u>8</u> 342 80 (13) 800 (15) 8000 (10)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----

NOTHING BUT THE FACTS

DIRECTIONS:



The addition table below contains 45 mistakes. Shade in each box which contains a mistake. Be sure to use pencil so you can erase if necessary.

YOU WILL END UP WITH A PICTURE OF A FAMOUS BIRD!

+	4	6	9	3	0	8	7	10	2	5	1
3	5	9	12	6	3	11	10	13	5	8	7
6	9	11	13	9	6	17	15	16	4	10	6
8	12	2	16	13	8	15	15	2	8	3	9
4	8	10	12	6	1	13	10	12	7	9	5
9	13	15	18	6	0	1	15	18	11	14	10
7	11	13	16	10	8	12	19	17	9	12	8
5	9	12	10	8	15	3	11	15	8	9	6
2	6	8	7	6	0	10	4	15	5	7	3

NOTE: This puzzle is not ill-eagle!

What Did One Eye Say to the Other Eye?

TO FIND THE ANSWER TO THIS QUESTION, FOLLOW THESE DIRECTIONS:

FIRST, work any problem below and find your answer in the rectangles at the bottom of the page.
SECOND, write the letter of the problem under its correct answer.

KEEP WORKING UNTIL YOU DISCOVER THE ANSWER TO THE QUESTION.

$$\begin{array}{r} \textcircled{E} \quad 24 \\ + 33 \\ \hline \textcircled{H} \quad 61 \end{array} \quad \begin{array}{r} \textcircled{S} \quad 77 \\ + 20 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{I} \quad 65 \\ + 52 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{E} \quad 74 \\ + 62 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{O} \quad 40 \\ + 43 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{S} \quad 81 \\ + 91 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{T} \quad 73 \\ + 35 \\ \hline \end{array}$$

10
$$\begin{array}{r} \textcircled{E} \quad 54 \\ + 50 \\ \hline \textcircled{U} \quad 97 \end{array} \quad \begin{array}{r} \textcircled{G} \quad 71 \\ + 88 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{N} \quad 52 \\ + 43 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{E} \quad 46 \\ + 61 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{M} \quad 90 \\ + 99 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{E} \quad 76 \\ + 10 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{T} \quad 90 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{M} \quad 83 \\ + 86 \\ \hline \textcircled{B} \quad 65 \end{array} \quad \begin{array}{r} \textcircled{S} \quad 70 \\ + 71 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{N} \quad 72 \\ + 52 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{S} \quad 85 \\ + 31 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{L} \quad 55 \\ + 90 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{W} \quad 63 \\ + 63 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{L} \quad 80 \\ + 50 \\ \hline \end{array}$$

141	83	169	86	89	159	117	95	124	57	107	126	108	136	148	97	129	189	116	104	130	145	172
-----	----	-----	----	----	-----	-----	----	-----	----	-----	-----	-----	-----	-----	----	-----	-----	-----	-----	-----	-----	-----

ON THE BUTTON

HERE IS A BUTTON YOU CAN CUT OUT AND WEAR. TO DECODE THE BUTTON:
FIRST, work any problem below and find your answer around the *rim* of the button.
SECOND, each time the answer appears on the button, write the letter of that problem above it.
KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE BUTTON. GOOD LUCK!

$$\begin{array}{r} \boxed{R} \quad 24 \\ + \quad 9 \\ \hline \end{array} \quad \begin{array}{r} \boxed{Y} \\ + \quad 8 \\ \hline \end{array} \quad \begin{array}{r} \boxed{I} \\ + \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{C} \quad 39 \\ + \quad 7 \\ \hline \end{array} \quad \begin{array}{r} \boxed{V} \\ + \quad 7 \\ \hline \end{array} \quad \begin{array}{r} \boxed{P} \quad 18 \\ + \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{H} \quad 66 \\ + \quad 5 \\ \hline \end{array} \quad \begin{array}{r} \boxed{M} \\ + \quad 8 \\ \hline \end{array} \quad \begin{array}{r} \boxed{S} \quad 45 \\ + \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{E} \quad 68 \\ + \quad 8 \\ \hline \end{array} \quad \begin{array}{r} \boxed{T} \\ + \quad 5 \\ \hline \end{array} \quad \begin{array}{r} \boxed{A} \quad 15 \\ + \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{O} \quad 74 \\ + \quad 6 \\ \hline \end{array} \quad \begin{array}{r} \boxed{L} \\ + \quad 6 \\ \hline \end{array} \quad \begin{array}{r} \boxed{F} \quad 79 \\ + \quad 8 \\ \hline \end{array}$$



KNOCK KNOCK

WHO'S THERE? → TENNIS → TENNIS WHO? →

TENNIS

168-171-116-122 83-102-143 120-107-122 140-83 116-48-48-154-80-120

124-107-72-107-80 100-77-143-124 122-171-165-107-107

TO DECODE THE LAST LINE OF THIS KNOCK-KNOCK JOKE, FOLLOW THESE DIRECTIONS:

Work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE LAST LINE OF THE KNOCK-KNOCK JOKE.



Y 37 L 18 S 87 R 67 O 49 N 12

$$\underline{+46}$$
 $\underline{+59}$ $\underline{+37}$ $\underline{+98}$ $\underline{+53}$ $\underline{+68}$

W 89 G 84 B 47 I 65 T 27 V 46

$$\underline{+79}$$
 $\underline{+36}$ $\underline{+93}$ $\underline{+89}$ $\underline{+95}$ $\underline{+26}$

H 84 A 57 U 45 P 31 E 28 D 19

$$\underline{+87}$$
 $\underline{+59}$ $\underline{+98}$ $\underline{+69}$ $\underline{+79}$ $\underline{+29}$

HOW'S BUSINESS?

DRUMMER: "Mine is" 103-132-150-108 84-124 130-122-132-84"

PLUMBER: "Mine is" 149-84-124-62-62-122-108 90-62"

TRAPEZE

SALESMAN: "Mine is" 168-132-182-182-66-160-86 124-168-168"

EACH PERSON ABOVE IS ANSWERING THE QUESTION, "HOW'S BUSINESS?" TO DECODE THEIR ANSWERS, FOLLOW THESE DIRECTIONS:

First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. (The same code is used for all three people.)

**KEEP WORKING UNTIL YOU HAVE DECODED ALL THREE ANSWERS.
GOOD LUCK!**

O	76	I	39	E	55	D	90
	<u>+48</u>		<u>+27</u>		<u>+67</u>		<u>+18</u>

U	34	N	83	T	45	G	18
	<u>+56</u>		<u>+77</u>		<u>+39</u>		<u>+68</u>

F	79	R	60	S	76	P	44
	<u>+89</u>		<u>+90</u>		<u>+73</u>		<u>+18</u>

L	86	H	49	A	53	B	65
	<u>+96</u>		<u>+54</u>		<u>+79</u>		<u>+65</u>

FIND A MATCH

FOLLOW THESE DIRECTIONS AND YOU WILL SPELL OUT A FUNNY SAYING:

Each of the two blocks below is divided into 16 boxes. Boxes in the top block contain problems and boxes in the bottom block contain the answers. Work any problem and find your answer in the bottom block. Then write the word from the problem box into the answer box.

**57+67
THE**

**94+58
ON**

**63+72
WHO**

**17+33
HEAR**

**98+38
ROBBER**

**78+49
AND**

**88+77
SCALE**

**87+87
ABOUT**

**26+29
GOT**

**42+79
DID**

**26+54
A**

**59+69
WEIGH**

**85+16
YOU**

**60+40
A**

**75+95
BANK**

**62+17
STEPPED**

101

50

174

170

136

135

152

100

165

55

80

128

RIDDLE MATH

HE WORKED REAL HARD
AND HE WAS NO FOOL
SO WHY WAS THE CANNIBAL
SENT HOME FROM SCHOOL?

DIRECTIONS:

The answer to this riddle is written in code at the bottom of the page. To break the code, work any problem and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER
TO THE RIDDLE!

C	36 40 <u>+82</u>	H	19 55 <u>+59</u>	G	75 24 <u>+70</u>	P	93 28 <u>+61</u>
R	54 92 <u>+88</u>	S	30 78 <u>+99</u>	U	45 81 <u>+97</u>	Y	65 27 <u>+57</u>
W	14 79 <u>+44</u>	N	63 86 <u>+29</u>	O	51 98 <u>+67</u>	I	35 41 <u>+70</u>
A	29 56 <u>+68</u>	E	93 18 <u>+94</u>	B	70 80 <u>+90</u>	T	36 78 <u>+66</u>

133-205 137-153-207 180-234-149-146-178-169 180-216

240-223-180-180-205-234 223-182 180-133-205

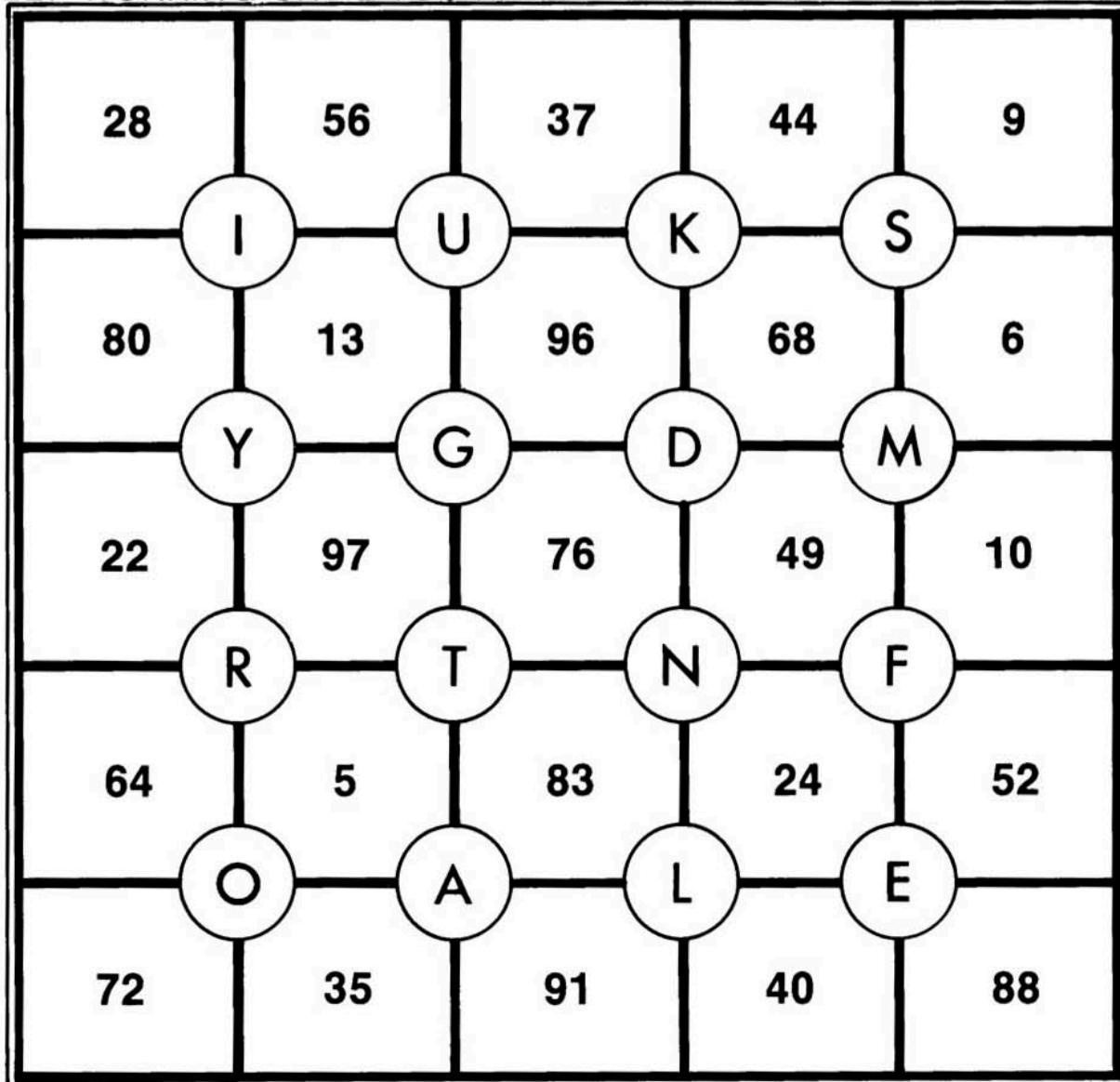
180-205-153-158-133-205-234

What did the ROBOT say to the GAS PUMP?

TO FIND OUT WHAT THE ROBOT SAID, FOLLOW THESE DIRECTIONS:

Add the FOUR numbers touching any letter below. Find your answer in the code at the bottom of the page. Each time the answer appears in the code, write the letter above it.

KEEP WORKING UNTIL YOU HAVE DECODED WHAT THE ROBOT SAID.



THE ROBOT SAID TO THE GAS PUMP:

261-214-245-204 212-176-202-188 135-177-232-282-204-188

176-202-261 176-135 212-176-202-188 204-214-188

214-232-289 238-177-127-261-204-232 261-176 133-204

Who Invented the First Airplane that Didn't Fly?



TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.



$327 + 46 \blacksquare$

$908 + 35 \blacksquare$

13

$\blacksquare 225$

$\blacksquare 193$

$55 + 815 \blacksquare$

16

$\blacksquare 601$

$48 + 177 \blacksquare$

8

$\blacksquare 598$

$692 + 58 \blacksquare$

3

$\blacksquare 373$

$39 + 416 \blacksquare$

6

$\blacksquare 750$

$560 + 41 \blacksquare$

2

$\blacksquare 852$

$59 + 793 \blacksquare$

14

$\blacksquare 402$

$87 + 604 \blacksquare$

R

$\blacksquare 533$

$434 + 99 \blacksquare$

4

$\blacksquare 943$

$896 + 79 \blacksquare$

7

$\blacksquare 377$

$56 + 137 \blacksquare$

12

$\blacksquare 451$

$288 + 89 \blacksquare$

5

$\blacksquare 870$

$79 + 519 \blacksquare$

9

$\blacksquare 455$

$375 + 76 \blacksquare$

T

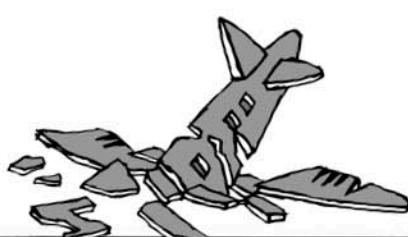
$\blacksquare 691$

$64 + 338 \blacksquare$

B

$\blacksquare 975$

W



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

DOUBLE CROSS

1. WHAT DO YOU GET WHEN YOU CROSS **A CHICKEN WITH A BELL?**

1364-1345 1364-916-1364-1126-1088 1129-916-757-1129-790

2. WHAT DO YOU GET WHEN YOU CROSS **A PIG WITH A WASHING MACHINE?**

991-1545-1080-501-1364-560-991

3. WHAT DO YOU GET WHEN YOU CROSS **A CENTIPEDE WITH A PARROT?**

1364 501-1364-916-790-915-821 1516-1364-916-790-915-821

THE ANSWER TO EACH QUESTION ABOVE IS WRITTEN IN CODE UNDER THE QUESTION. TO CRACK THE CODE, FOLLOW THESE DIRECTIONS:

First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. (The same code is used for all three questions.)

KEEP WORKING AND YOU WILL DISCOVER WHAT YOU GET FROM EACH DOUBLE CROSS!

(W)	125	(U)	249	(E)	667	(S)	292
	<u>+376</u>		<u>+508</u>		<u>+154</u>		<u>+268</u>

(N)	547	(M)	209	(I)	372	(R)	728
	<u>+798</u>		<u>+879</u>		<u>+543</u>		<u>+398</u>

(O)	756	(C)	138	(G)	684	(A)	478
	<u>+789</u>		<u>+991</u>		<u>+396</u>		<u>+886</u>

(T)	959	(H)	523	(K)	196	(L)	608
	<u>+557</u>		<u>+468</u>		<u>+594</u>		<u>+308</u>

DOT PLOT

- 1110
- 1230
- 1282
- 534
- 1574
- 1302
- 1634
- 1290
- 1262
- 831
- 1172
- 971
- 1388
- 1797
- 1478
- 1063
- 1887
- 953
- 1400
- 670
- 1600
- 1392
- 829
- 944
- START
- 1090
- 1421
- 1311

Work the problems below and find the correct answers to the left. Connect the dots in the same order as the problems are numbered. You may go through the same dot more than once.

$$\begin{array}{r} \textcircled{1} \\ 378 \\ +451 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \\ 609 \\ +783 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \\ 185 \\ +485 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \\ 770 \\ +293 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{5} \\ 276 \\ +695 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \\ 481 \\ +809 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{7} \\ 555 \\ +555 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \\ 381 \\ +590 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \\ 495 \\ +677 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{10} \\ 600 \\ +800 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{11} \\ 191 \\ +638 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{12} \\ 748 \\ +196 \\ \hline \end{array}$$

WHAT GOES CLOMP, CLOMP, CLOMP, CLOMP, CLOMP, CLOMP?

TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

FIRST, work any problem below and find your answer in the code at the bottom of the page.
SECOND, each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE ANSWER.
GOOD LUCK!

W

$$\begin{array}{r} 184 \\ 736 \\ +507 \\ \hline 299 \end{array} \quad \begin{array}{r} 299 \\ 758 \\ +900 \\ \hline 518 \end{array} \quad \begin{array}{r} 361 \\ 294 \\ +518 \\ \hline 569 \end{array} \quad \begin{array}{r} 983 \\ 700 \\ +569 \\ \hline 668 \end{array} \quad \begin{array}{r} 178 \\ 365 \\ 668 \\ \hline 777 \end{array}$$

E

$$\begin{array}{r} 584 \\ 290 \\ 739 \\ +607 \\ \hline 195 \end{array} \quad \begin{array}{r} 195 \\ 271 \\ 369 \\ +806 \\ \hline 439 \end{array} \quad \begin{array}{r} 395 \\ 668 \\ 975 \\ +439 \\ \hline 387 \end{array} \quad \begin{array}{r} 802 \\ 197 \\ 566 \\ +387 \\ \hline 979 \end{array} \quad \begin{array}{r} 298 \\ 755 \\ 433 \\ +979 \\ \hline 999 \end{array} \quad \begin{array}{r} 497 \\ 318 \\ 789 \\ +999 \\ \hline 218 \end{array}$$

$$\begin{array}{r} 500 \\ 719 \\ 566 \\ +218 \\ \hline 1173 \end{array}$$

CODED
ANSWER

2664-1211 2003-1957-2465-2003-1952-2252-2603 1427-1641-2465-1173

2003-1211-2220 2603-1173-2003-2220 2003-2477-2477

TEST OF KNOWLEDGE

1. IF GEORGE WASHINGTON WERE ALIVE TODAY, WHAT WOULD HE BE FAMOUS FOR?

ANSWER: 7861-22,546-21,111-13,502-11,298-21,175

2. WHAT IS THE BEST WAY TO TALK TO A MONSTER?

ANSWER: 19,042-14,224-10,537-11,298-8839-22,546-21,111-23,744-13,502-10,537-12,274-21,175

3. WHAT DID THE WOLF MAN EAT AFTER HE HAD HIS TEETH PULLED?

ANSWER: 23,744-7861-21,175-8839-21,175-10,537-23,744-22,546-21,111-23,744

THE ANSWER TO EACH QUESTION ABOVE IS WRITTEN IN CODE UNDER THE QUESTION. TO CRACK THE CODE, FOLLOW THESE DIRECTIONS:

First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. (The same code is used for all three questions.)

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO EACH QUESTION.

G	7806	O	6958	C	2510	A	3677
	<u>+3492</u>		<u>+7266</u>		<u>+9764</u>		<u>+9825</u>

S	6407	H	4378	D	3857	L	5504
	5138		593		4618		9876
	<u>+9566</u>		<u>+2890</u>		<u>+ 364</u>		<u>+3662</u>

T	1976	E	8697	I	7006	N	4393
	4308		450		5948		785
	7524		3991		3927		4968
	<u>+9936</u>		<u>+8037</u>		<u>+5665</u>		<u>+ 391</u>

WHAT DID ORGO GET FOR LOSING 20 POUNDS?

TO FIND OUT THE ANSWER TO THIS QUESTION, FOLLOW THESE DIRECTIONS:

Work any problem below and find your answer in the answer column. The number in front of the answer tells you where to put the letter of the problem in the row of boxes at the bottom of the page.

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO THE QUESTION.

$$\begin{array}{r} \textcircled{E} \quad \$ 9.16 \\ + 5.43 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{Y} \quad \$ 7.97 \\ + .25 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{I} \quad \$ 6.48 \\ + 7.83 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{O} \quad \$15.46 \\ + 3.17 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{H} \quad \$ 98.05 \\ + 2.46 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{E} \quad \$37.58 \\ + 5.00 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{L} \quad \$ 44.05 \\ + 71.06 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{E} \quad \$ 97.58 \\ + 56.97 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{T} \quad \$ 38.19 \\ + 73.47 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{R} \quad \$ 88.80 \\ + 29.47 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{N} \quad \$34.79 \\ + 5.68 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{Z} \quad \$ 55.00 \\ + 98.95 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{P} \quad \$14.69 \\ .38 \\ + 2.56 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{L} \quad \$ 98.45 \\ 30.65 \\ + 27.95 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{B} \quad \$ 96.47 \\ 1.03 \\ + 58.15 \\ \hline \end{array}$$

1 \$111.66

2 \$100.51

3 \$14.59

4 \$40.47

5 \$18.63

6 \$155.65

7 \$154.55

8 \$115.11

9 \$157.05

10 \$8.22

11 \$17.63

12 \$118.27

13 \$14.31

14 \$153.95

15 \$42.58

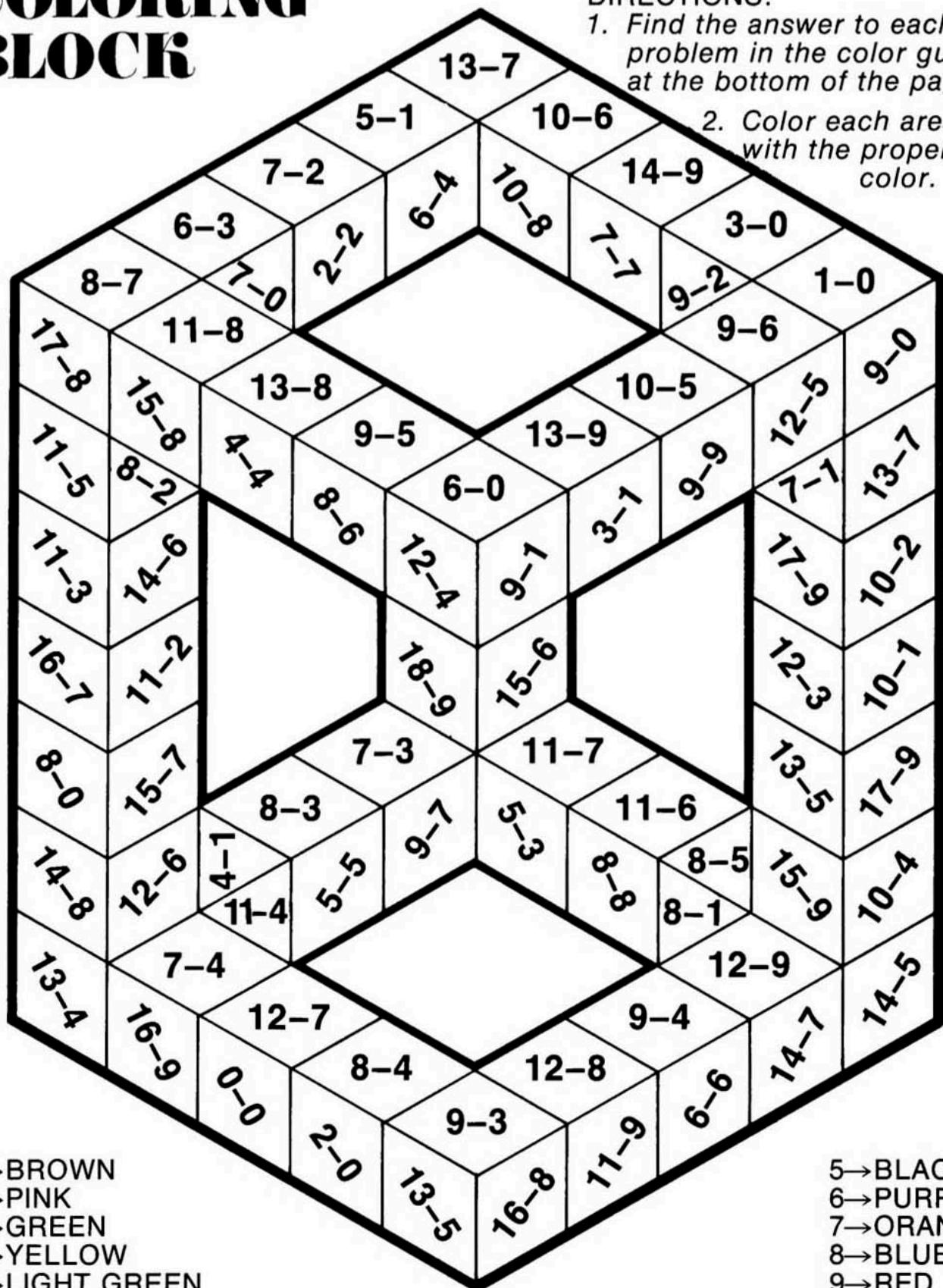
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

COLORING BLOCK

DIRECTIONS:

1. Find the answer to each problem in the color guide at the bottom of the page.

2. Color each area with the proper color.



0→BROWN
 1→PINK
 2→GREEN
 3→YELLOW
 4→LIGHT GREEN

5→BLACK
 6→PURPLE
 7→ORANGE
 8→BLUE
 9→RED

KNOCK KNOCK

WHO'S THERE? → ORSON → ORSON WHO? →

ORSON

42-47-31-14-23 6-28 60-14-42 30-21-14-30-25-21 3-34-47-35-21-25-21-22

53-21-12-14-34-21 3-60-21 51-47-34 42-47-28 6-23-35-21-23-3-21-22



TO DECODE THE LAST LINE OF THIS KNOCK—KNOCK JOKE, FOLLOW THESE DIRECTIONS:

Work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE LAST LINE OF THE KNOCK-KNOCK JOKE.

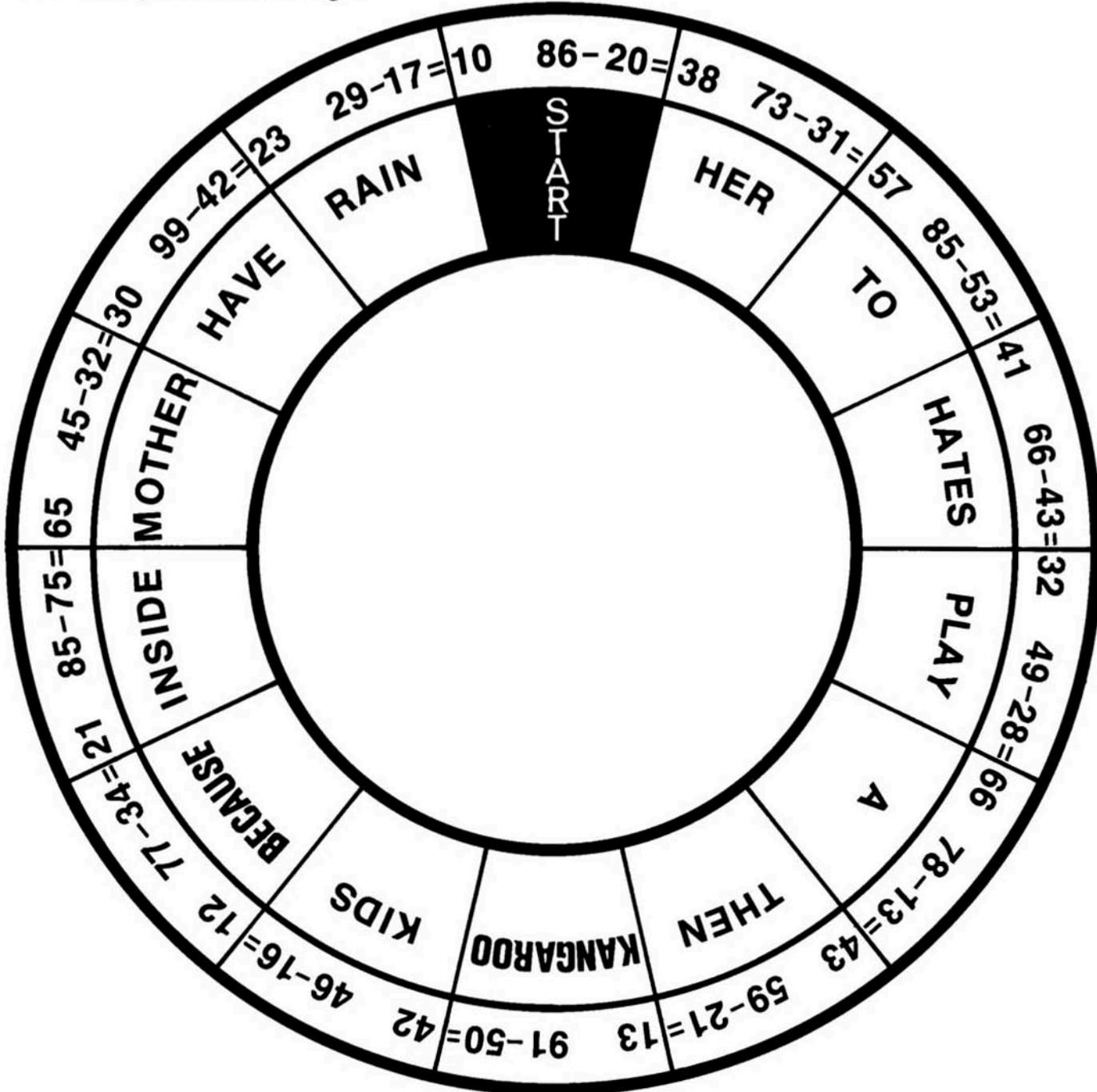
(V)	48	(L)	77	(B)	93	(R)	57	(H)	80	(F)	28
	−13		−52		−40		−23		−20		−16
(A)	69	(I)	37	(D)	54	(C)	79	(N)	47	(S)	99
	−22		−31		−32		−28		−24		−71
(E)	31	(P)	88	(T)	26	(O)	68	(G)	98	(W)	56
	−10		−58		−23		−54		−67		−14

JUMBLED JIGSAW

DIRECTIONS:

Cut out the 14 pieces below. Then arrange the pieces to make a new circle in which the correct answer appears next to each problem. Begin with the piece labeled "START".

When the pieces are properly arranged, the words inside the pieces will form a special message.



Secret Code

A SPECIAL POEM IS WRITTEN IN CODE BELOW. TO DECODE THE POEM:
 FIRST, work any problem below and find your answer *in the code*.
 SECOND, each time the answer appears in the code, write the letter of
 that problem above it.

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE POEM.

R	36	H	27	G	84	D	73	
	- 8		- 9		- 6		- 4	
V	50	M	38	F	64	S	32	
	- 2		- 9		- 5		- 7	
P	83	W	90	U	61	Y	55	
	- 8		- 1		- 4		- 6	
A	23	I	81	O	74	T	42	
	- 7		- 5		- 9		- 3	
E	31	N	66	L	70	B	51	
	- 5		- 8		- 7		- 6	

What is the title of this picture? ↗

TO DECODE THE TITLE OF THIS PICTURE:

FIRST, work any problem below and find your answer in the coded title.

SECOND, each time the answer appears in the code, write the letter of that problem above it.

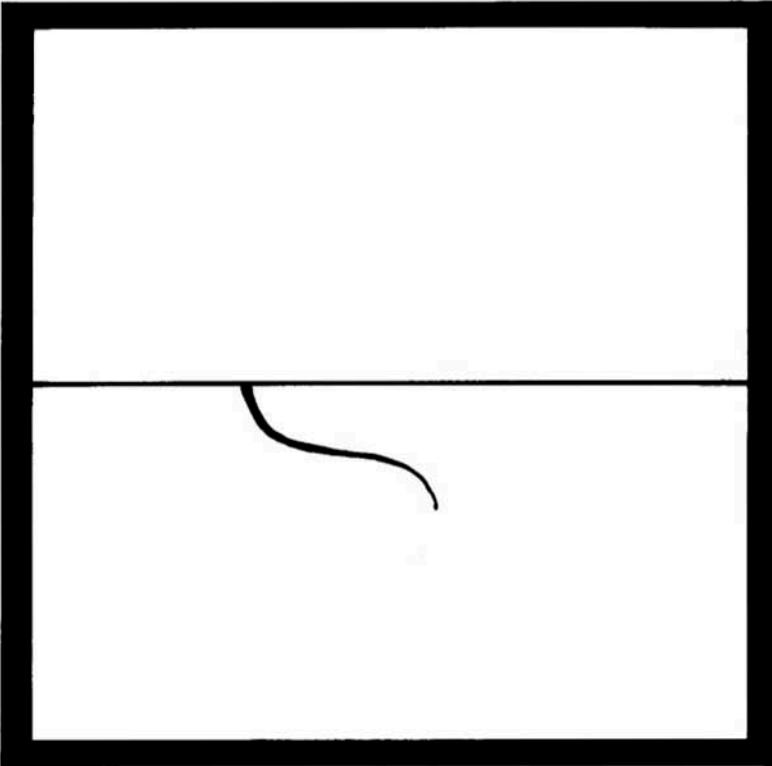
KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE TITLE.

$$\begin{array}{r} \textcircled{U} \quad 82 \quad \textcircled{T} \quad 51 \\ -46 \quad \underline{-23} \quad \textcircled{C} \quad 84 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{O} \quad 67 \quad \textcircled{P} \quad 83 \\ -27 \quad \underline{-59} \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{L} \quad 61 \quad \textcircled{R} \quad 70 \\ -57 \quad \underline{-48} \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{N} \quad 73 \quad \textcircled{E} \quad 55 \\ -34 \quad \underline{-26} \\ \hline \end{array}$$



CODED TITLE:

29-4-29-24-19-69-39-28
46-19-40 19-69-14 2-36-14-28

58-40-39-29 69-22-40-36-39-67

69 17-40-22-39-29-22

On THE BUTTON

HERE IS A BUTTON YOU CAN CUT OUT AND WEAR. TO DECODE THE BUTTON:

FIRST, work any problem below and find your answer around the *rim* of the button.
SECOND, each time the answer appears on the button, write the letter of that problem *above* it.
KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE BUTTON.

A
$$\begin{array}{r} 54 \\ -27 \\ \hline \end{array}$$

E
$$\begin{array}{r} 71 \\ -23 \\ \hline \end{array}$$

M
$$\begin{array}{r} 56 \\ -39 \\ \hline \end{array}$$

C
$$\begin{array}{r} 94 \\ -69 \\ \hline \end{array}$$

D
$$\begin{array}{r} 90 \\ -31 \\ \hline \end{array}$$

K
$$\begin{array}{r} 72 \\ -44 \\ \hline \end{array}$$

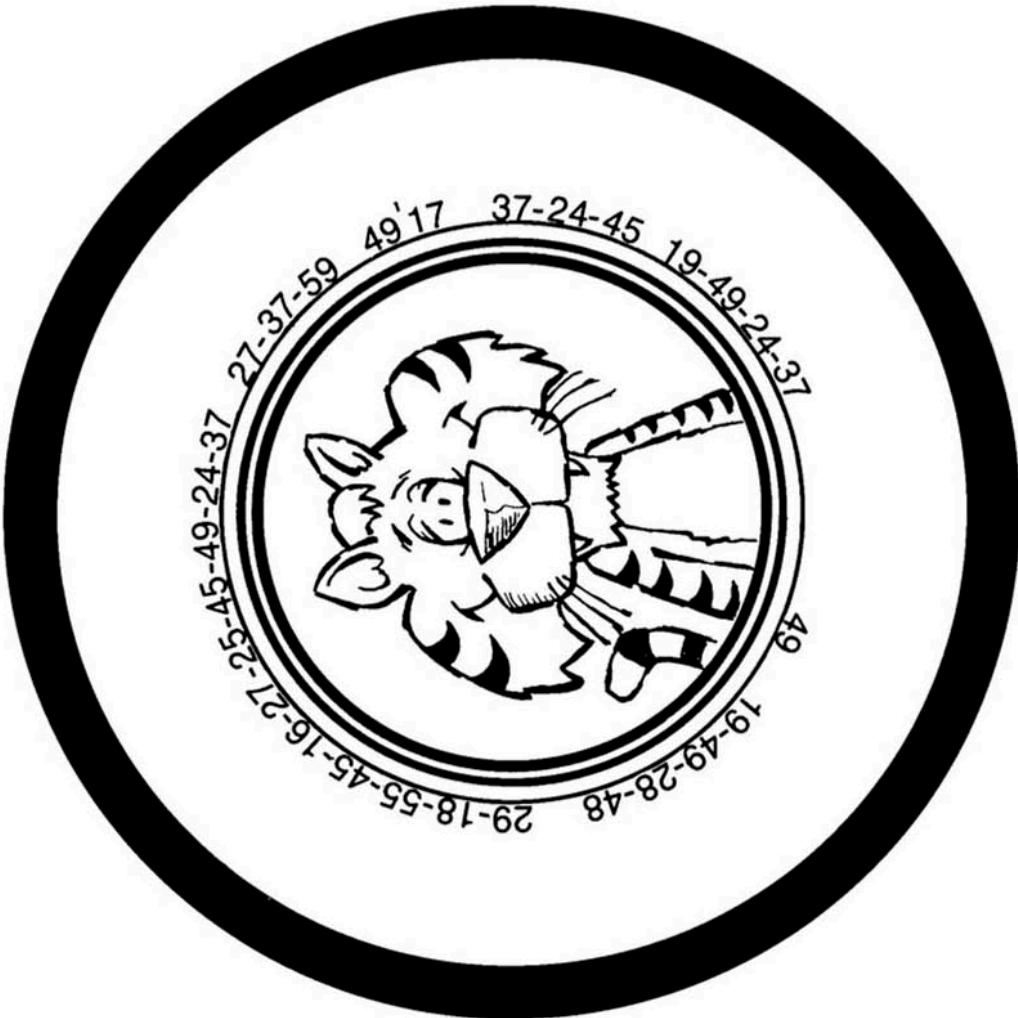
B
$$\begin{array}{r} 92 \\ -37 \\ \hline \end{array}$$

R
$$\begin{array}{r} 30 \\ -14 \\ \hline \end{array}$$

T
$$\begin{array}{r} 74 \\ -29 \\ \hline \end{array}$$

I
$$\begin{array}{r} 67 \\ -18 \\ \hline \end{array}$$

L
$$\begin{array}{r} 44 \\ -25 \\ \hline \end{array}$$



HOW TO MAKE A STATUE OF AN ELEPHANT

TO LEARN A SIMPLE WAY TO MAKE A STATUE OF AN ELEPHANT, FOLLOW THESE DIRECTIONS:

Each of the two blocks below is divided into 20 boxes. Boxes in the top block contain problems and boxes in the bottom block contain the answers. Work any problem and find your answer in the bottom block. Then write the word from the problem box into the answer box.

46-29 BIG	51-12 AN	60-47 HAVE	84-39 LOOK	62-16 AWAY
20-11 FIRST	56-37 DOESN'T	75-38 TO	92-13 THEN	61-45 JUST
93-27 AND	82-14 A	53-45 THAT	34-16 YOU	60-33 ELEPHANT
43-19 ROCK	80-49 GET	95-47 EVERYTHING	87-29 LIKE	62-48 CUT

9	18	13	37	31
68	17	24	66	79
16	14	46	48	8
19	45	58	39	27

FIND THE MESSAGE

TO FIND THE HIDDEN MESSAGE, FOLLOW THESE DIRECTIONS:

1. Each row going across has 5 rectangles. Only 3 of them contain a problem whose answer is the given number. Circle these 3 problems in each row.
2. Over each problem you have circled, notice the small number and letter. The number tells you which box at the bottom of the page to put the letter in. You will spell out a special message.

	14-E	16-T	8-A	21-S	5-M
EQUAL TO 10	56-46	47-36	85-75	22-12	78-58

	12-R	5-Y	16-E	2-P	13-K
EQUAL TO 37	72-45	69-32	95-58	56-9	54-17

	2-E	4-A	19-O	20-L	10-S
EQUAL TO 14	53-39	68-44	71-57	89-55	30-16

	15-M	12-A	1-B	7-S	4-R
EQUAL TO 26	74-48	93-67	52-19	68-52	63-37

	9-S	7-O	20-S	11-M	3-L
EQUAL TO 69	91-23	87-18	99-30	77-8	86-27

	3-R	9-T	6-C	18-T	1-F
EQUAL TO 45	90-45	72-27	89-54	94-39	63-18

	18-R	6-B	17-S	17-C	18-T
EQUAL TO 58	74-16	93-35	73-5	80-22	88-40

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----

LOVE STORY

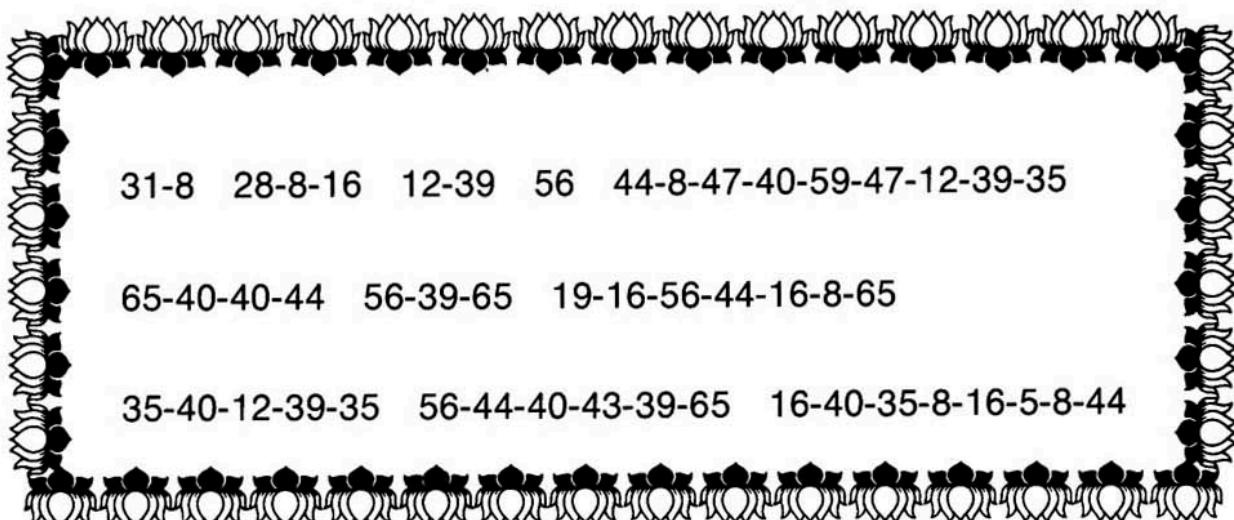
You have probably heard about the guy who met a girl while driving his steam roller and got a crush on her. Well, here is another touching, tender, romantic love story. But it is written in code. To decode:

FIRST, figure out the missing addend in any equation below and find your answer in the coded Love Story at the bottom of the page.

SECOND, each time the answer appears in the code, write the letter of that equation above it.

KEEP WORKING UNTIL YOU HAVE DECODED THE LOVE STORY. YOU'LL LOVE IT!

G	$41 + \boxed{\quad} = 76$	L	$\boxed{\quad} + 6 = 65$
A	$29 + \boxed{\quad} = 85$	S	$\boxed{\quad} + 51 = 70$
U	$8 + \boxed{\quad} = 51$	I	$\boxed{\quad} + 9 = 21$
T	$44 + \boxed{\quad} = 60$	E	$\boxed{\quad} + 84 = 92$
W	$65 + \boxed{\quad} = 96$	O	$\boxed{\quad} + 40 = 80$
N	$18 + \boxed{\quad} = 57$	D	$\boxed{\quad} + 28 = 93$
H	$69 + \boxed{\quad} = 74$	V	$\boxed{\quad} + 11 = 58$
M	$24 + \boxed{\quad} = 52$	R	$\boxed{\quad} + 47 = 91$



Daffynition Decoder



LAZY BUTCHER:

661-502-275-247 592-334-275-357-502-617

BASEBALL BAT:

357-592-103 67-192-275-247-247-502-617

RAINCOAT:

247-23-52-607-196-502-617 192-502-275-617

TO DECODE THESE THREE DAFFYNITIONS, FOLLOW THESE DIRECTIONS:

First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. (The same code is used for all three daffynitions.)

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE DAFFYNITIONS.

(F) 584 (D) 959 (W) 407
-227 -763 -215

(U) <u>736</u>	(O) <u>550</u>	(R) <u>925</u>	(M) <u>935</u>	(Y) <u>382</u>	(H) <u>207</u>
-684	-216	-308	-274	-279	-184
<u> </u>					
(A) <u>468</u>	(S) <u>573</u>	(N) <u>986</u>	(T) <u>954</u>	(E) <u>960</u>	(L) <u>822</u>
-193	-506	-379	-707	-458	-230

MONSTER MYSTERIES

1. WHAT SHOULD YOU DO WITH A GREEN MONSTER?

ANSWER: $\frac{76-141-359-486}{569-269-486-359-19}$ $\frac{569-269-486-359-19}{375-467}$ $\frac{375-467}{427-359-128-467-269-57}$

2. WHAT SHOULD YOU DO WITH A BLUE MONSTER?

ANSWER: $\frac{486-427-289}{486-187}$ $\frac{486-187}{247-375-467-467-427}$ $\frac{247-375-467-467-427}{375-359-479}$ $\frac{375-359-479}{569-128}$

TO DECODE THE ANSWERS TO THESE TWO "MONSTER MYSTERIES":

First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it.
(The same code is used for both monster mysteries.)

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO EACH MYSTERY.



$$\begin{array}{r} \textcircled{P} \quad 314 \quad \textcircled{C} \quad 544 \quad \textcircled{A} \quad 710 \quad \textcircled{U} \quad 948 \\ -186 \quad \underline{-297} \quad \quad \quad -569 \quad \underline{-379} \end{array}$$

$$\begin{array}{r} \textcircled{S} \quad 755 \quad \textcircled{M} \quad 650 \quad \textcircled{I} \quad 838 \quad \textcircled{O} \quad 480 \quad \textcircled{Y} \quad 688 \\ -698 \quad \underline{-171} \quad \quad \quad -479 \quad \underline{-293} \quad \quad \quad -399 \quad \underline{-498} \end{array}$$

$$\begin{array}{r} \textcircled{H} \quad 942 \quad \textcircled{N} \quad 418 \quad \textcircled{W} \quad 770 \quad \textcircled{T} \quad 881 \quad \textcircled{E} \quad 765 \\ -567 \quad \underline{-149} \quad \quad \quad -694 \quad \underline{-395} \quad \quad \quad -298 \quad \underline{-486} \end{array}$$

A famous farmer once said...

THE WORDS OF A FAMOUS FARMER ARE HIDDEN IN THE MESSAGE BELOW. TO FIND THEM:
FIRST, work each problem and find your answers at the bottom of the page.
SECOND, shade out the letter above each and every correct answer.
WHEN YOU FINISH, THE FAMOUS FARMER'S WORDS WILL REMAIN!

$$\begin{array}{r} \textcircled{1} \quad 705 \quad \textcircled{2} \quad 304 \\ -329 \quad \quad \quad -186 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{3} \quad 908 \quad \textcircled{4} \quad 600 \\ -459 \quad \quad \quad -347 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{5} \quad 806 \\ -717 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 409 \quad \textcircled{7} \quad 702 \\ -261 \quad \quad \quad -455 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{8} \quad 900 \quad \textcircled{9} \quad 507 \\ -506 \quad \quad \quad -279 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{10} \quad 206 \\ -198 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 804 \quad \textcircled{12} \quad 605 \\ -519 \quad \quad \quad -407 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{13} \quad 400 \quad \textcircled{14} \quad 701 \\ -128 \quad \quad \quad -436 \\ \hline \end{array} \quad \begin{array}{r} \textcircled{15} \quad 802 \\ -557 \\ \hline \end{array}$$

LET'S WRITE WORDS

CRACK THE CODE

A SECRET MESSAGE IS WRITTEN IN CODE AT THE BOTTOM OF THE PAGE. TO CRACK THE CODE:

*FIRST, work any problem below and find your answer in the code.
SECOND, each time the answer appears in the code, write the letter of
that problem above it.*

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE SECRET MESSAGE.

$$\begin{array}{r} \textcircled{R} \quad 601 \quad \textcircled{D} \quad 408 \quad \textcircled{G} \quad 707 \quad \textcircled{H} \quad 603 \\ -345 \qquad \qquad \qquad -119 \qquad \qquad \qquad -529 \qquad \qquad \qquad -577 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{U} \quad 904 \quad \textcircled{O} \quad 506 \quad \textcircled{W} \quad 807 \quad \textcircled{B} \quad 406 \quad \textcircled{K} \quad 706 \quad \textcircled{N} \quad 901 \\ -407 \qquad \qquad \qquad -229 \qquad \qquad \qquad -359 \qquad \qquad \qquad -278 \qquad \qquad \qquad -349 \qquad \qquad \qquad -666 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{E} \quad 305 \quad \textcircled{I} \quad 807 \quad \textcircled{A} \quad 602 \quad \textcircled{T} \quad 201 \quad \textcircled{L} \quad 706 \quad \textcircled{S} \quad 908 \\ -219 \qquad \qquad \qquad -489 \qquad \qquad \qquad -158 \qquad \qquad \qquad -122 \qquad \qquad \qquad -537 \qquad \qquad \qquad -749 \\ \hline \end{array}$$

SECRET MESSAGE

79-26-86 26-444-256-289-86-159-79 79-26-318-235-178 444-128-277-497-79

169-86-444-256-235-318-235-178 79-277 256-277-169-169-86-256

159-357-444-79-86 318-159 79-26-86 159-318-289-86-448-444-169-357

• LINE UP •



DIRECTIONS: Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.



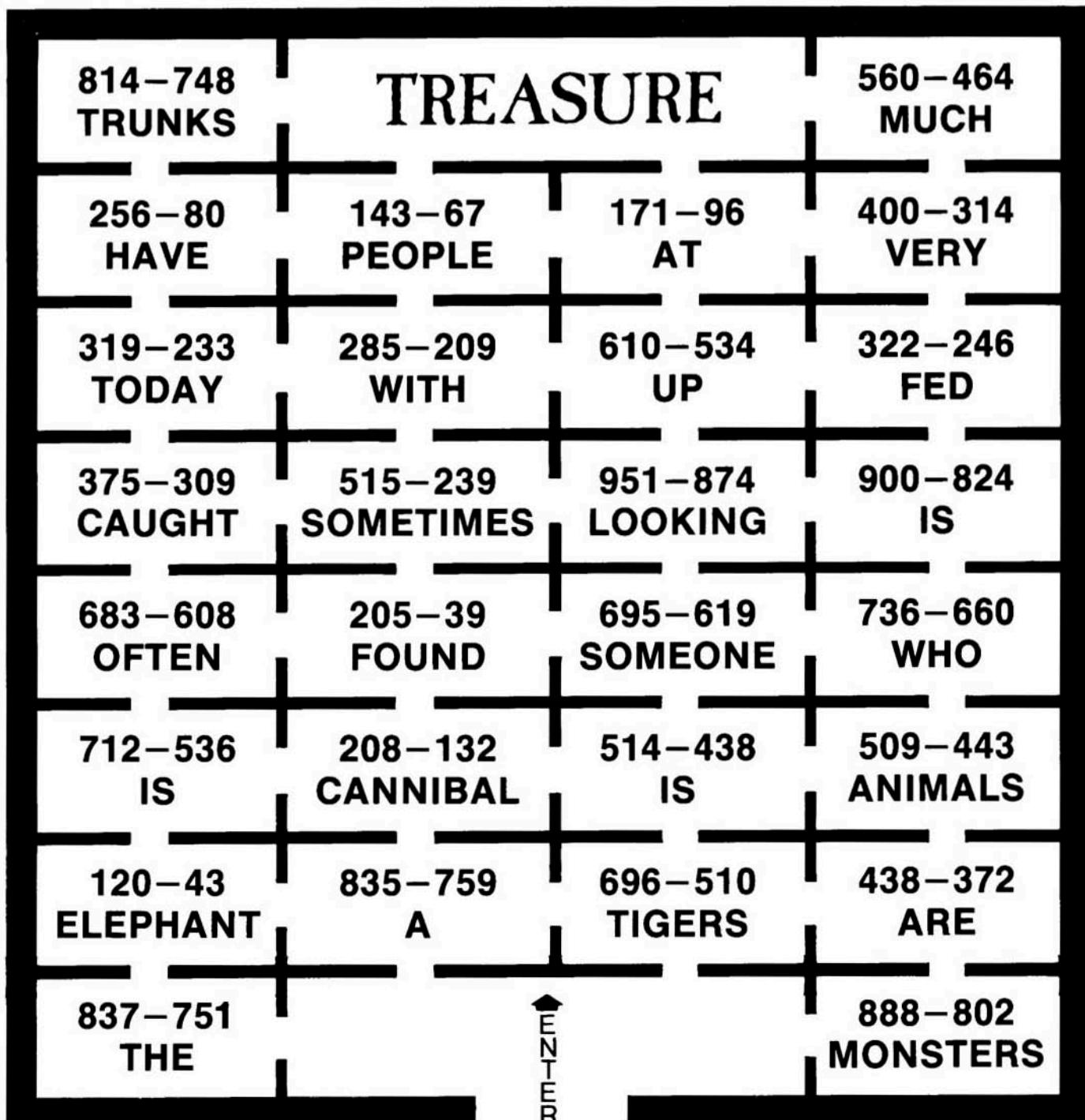
742-359 ■	6	A	■ 193
240-198 ■	2	E	■ 886
806-237 ■	10	O	■ 308
975- 89 ■	12	E	■ 286
450-208 ■	4	E	■ 209
675-579 ■	7	R	■ 383
784- 97 ■	9	S	■ 687
500-291 ■	16	H	■ 80
105- 58 ■	15	A	■ 42
361-168 ■	18	H	■ 242
447-139 ■	5	C	■ 619
704-377 ■	14	E	■ 226
850-770 ■	8	S	■ 569
686- 67 ■	3	T	■ 327
800-514 ■	13	T	■ 96
912- 37 ■	17	D	■ 246
507-281 ■	1	A	■ 47
465-219 ■	11	M	■ 875

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----

The Spirit of '76

DIRECTIONS:

1. Each room in this maze contains a problem. Work the problems and circle each problem WHOSE ANSWER IS 76. You should find TEN problems with this answer.
2. Then draw a path to the treasure that goes ONLY through these ten rooms. The words in these boxes will form a special message.



What is the DIFFERENCE between a JEWELER and a JAILOR?

THE ANSWER TO THIS IMPORTANT QUESTION IS WRITTEN IN CODE AT THE BOTTOM OF THE PAGE. TO DECODE:

First, work any problem below. Then find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. Keep doing problems until you discover the answer to the question.

$$\begin{array}{r}
 \textcircled{T} \quad 4085 \quad \textcircled{N} \quad 6734 \quad \textcircled{R} \quad 9157 \quad \textcircled{S} \quad 8306 \\
 -1367 \quad -2075 \quad -5892 \quad -7419 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{D} \quad 5008 \quad \textcircled{O} \quad 6534 \\
 -3333 \quad -2987 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{A} \quad 2622 \\
 -1918 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \textcircled{I} \quad 9800 \quad \textcircled{C} \quad 7445 \quad \textcircled{H} \quad 7083 \quad \textcircled{J} \quad 8000 \\
 -4917 \quad -5809 \quad -4994 \quad -6715 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{W} \quad 4270 \quad \textcircled{E} \quad 5000 \\
 -1399 \quad -4328 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 \textcircled{L} \quad 6731 \\
 -5829 \\
 \hline
 \end{array}$$

CODED ANSWER

2718-2089-672 1285-672-2871-672-902-672-3265 887-672-902-902-887

2871-704-2718-1636-2089-672-887 704-4659-1675 2718-2089-672

1285-704-4883-902-3547-3265 2871-704-2718-1636-2089-672-887 1636-672-902-902-887

HEX CODE

A SECRET MESSAGE IS WRITTEN IN CODE AT THE BOTTOM OF THE PAGE.
TO DECODE:

FIRST, work any problem below and find your answer in the answer column. Notice the design next to the answer.

SECOND, find this design in the coded message. Each time it appears, write the letter of that problem above it.

KEEP DOING PROBLEMS
UNTIL YOU HAVE DECODED
THE MESSAGE.

It's HEXciting!!

$$\begin{array}{r} \textcircled{O} \quad \$6.48 \\ -3.15 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{E} \quad \$7.80 \\ -6.95 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{I} \quad \$5.09 \\ -2.74 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{R} \quad \$8.93 \\ -4.54 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{A} \quad \$13.75 \\ -1.99 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{T} \quad \$95.00 \\ -24.95 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{G} \quad \$47.46 \\ -18.07 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{L} \quad \$64.05 \\ -57.99 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{C} \quad \$70.20 \\ -4.68 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{H} \quad \$56.71 \\ -30.95 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{N} \quad \$10.00 \\ -.99 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{S} \quad \$32.56 \\ -18.98 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{B} \quad \$89.67 \\ -74.09 \\ \hline \end{array}$$

 \$11.76

 \$25.76

 \$70.05

 \$ 3.33

 \$13.58

 \$ 4.39

 \$65.52

 \$ 2.35

 \$ 9.01

 \$29.39

 \$.85

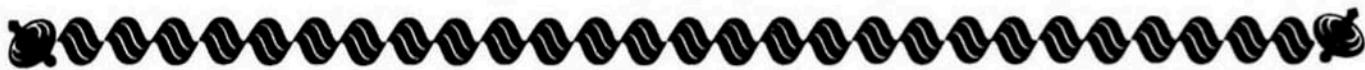
 \$15.58

 \$ 6.06

SECRET MESSAGE



Why Did the Saw Go On a Diet?



TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.



$89+87 \blacksquare$

$\blacksquare 78$

$45-29 \blacksquare$

$\blacksquare 5$

$65-9 \blacksquare$

$\blacksquare 39$

$76+54 \blacksquare$

$\blacksquare 23$

$92-58 \blacksquare$

$\blacksquare 35$

$30+48 \blacksquare$

$\blacksquare 37$

$70-31 \blacksquare$

$\blacksquare 176$

$78+79 \blacksquare$

$\blacksquare 56$

$28+7 \blacksquare$

$\blacksquare 91$

$99-10 \blacksquare$

$\blacksquare 144$

$33-28 \blacksquare$

$\blacksquare 16$

$43-6 \blacksquare$

$\blacksquare 34$

$57+34 \blacksquare$

$\blacksquare 157$

$81-40 \blacksquare$

$\blacksquare 148$

$50-27 \blacksquare$

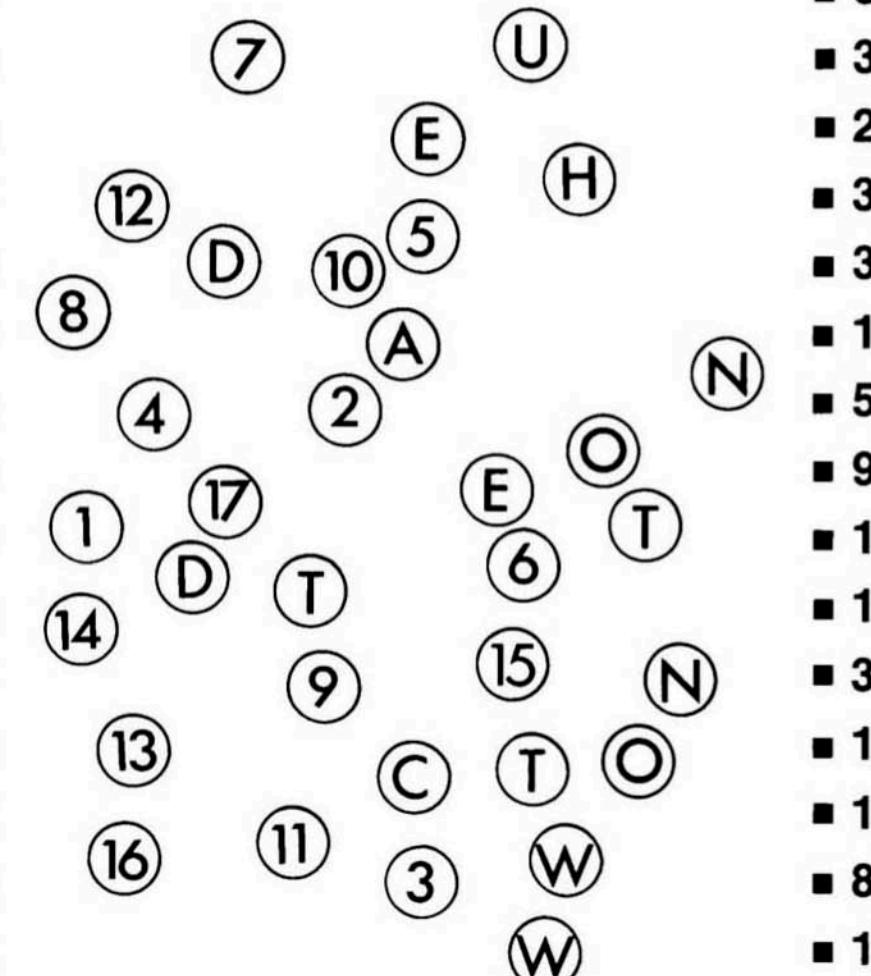
$\blacksquare 89$

$69+79 \blacksquare$

$\blacksquare 130$

$46+98 \blacksquare$

$\blacksquare 41$



FIND THE BINGO

DIRECTIONS:

Work any problem on this page and find your answer in the bingo box below. CIRCLE the answer.

Keep working problems IN ANY ORDER until you have five circled answers in a line—horizontally, vertically, or diagonally. WHEN YOU FIND THE BINGO, YOUR WORK IS FINISHED!

$$\begin{array}{r}
 50 \\
 50 \\
 +50 \\
 \hline
 \end{array}$$

8 74 13

$$\begin{array}{r}
 + \\
 57 \\
 \hline
 36 \\
 24
 \end{array}$$

$$\begin{array}{r}
 8 \\
 8 \\
 \hline
 8
 \end{array}$$

$$\begin{array}{r}
 90 \\
 -77 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 65 \\
 -40 \\
 \hline
 25
 \end{array}$$

$$\begin{array}{r}
 96 \\
 -38 \\
 \hline
 58
 \end{array}$$

$$\begin{array}{r}
 06 \\
 95 \\
 88 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 46 \\
 -51 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 28 \\
 -57 \\
 \hline
 29
 \end{array}$$

$$\begin{array}{r}
 +5 \\
 \hline
 \end{array}$$

131	119	125	110	117
58	27	84	34	3
32	5	15	239	200
224	8	47	13	164
25	41	22	19	52

$$\begin{array}{r}
 78 \\
 19 \\
 +34 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 48 \\
 -29 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 97 \\
 96 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10 \\
 9 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 + \\
 86 \\
 86 \\
 86 \\
 \hline
 25
 \end{array}$$

41

$$\begin{array}{r}
 53 \\
 -18 \\
 \hline
 35
 \end{array}$$

$$\begin{array}{r}
 65 \\
 69 \\
 \hline
 25
 \end{array}$$

$$\begin{array}{r}
 50 \\
 25 \\
 \hline
 \end{array}$$

CHAIN CODE

THESE ARE CALLED CHAIN PROBLEMS. DO THE STEPS IN ORDER FROM LEFT TO RIGHT FOR EACH PROBLEM.

Work any problem and find your answer in the coded message at the bottom of the page. Each time the answer appears in the code, write the letter at the end of that problem above it. Keep doing problems until you have decoded the message.

TAKE 67	SUBTRACT 27	ADD 78	ADD 90	= <input type="text"/> = K
TAKE 18	ADD 46	SUBTRACT 35	ADD 7	= <input type="text"/> = N
TAKE 90	SUBTRACT 34	SUBTRACT 19	ADD 62	= <input type="text"/> = U
TAKE 57	ADD 19	ADD 4	SUBTRACT 37	= <input type="text"/> = S
TAKE 48	ADD 39	SUBTRACT 17	SUBTRACT 61	= <input type="text"/> = I
TAKE 91	SUBTRACT 57	ADD 18	SUBTRACT 50	= <input type="text"/> = G
TAKE 34	ADD 59	SUBTRACT 92	ADD 6	= <input type="text"/> = E
TAKE 55	ADD 90	ADD 87	ADD 68	= <input type="text"/> = H
TAKE 81	SUBTRACT 67	ADD 38	ADD 45	= <input type="text"/> = L
TAKE 77	SUBTRACT 8	ADD 15	SUBTRACT 79	= <input type="text"/> = A
TAKE 84	ADD 7	SUBTRACT 59	SUBTRACT 14	= <input type="text"/> = O
TAKE 63	SUBTRACT 0	SUBTRACT 27	ADD 97	= <input type="text"/> = B
TAKE 26	ADD 41	ADD 78	SUBTRACT 60	= <input type="text"/> = R
TAKE 34	ADD 0	ADD 16	ADD 38	= <input type="text"/> = D

TITLE: MAKING BREAD

133-5-208-7-85-43 5-85-7 85-18-97-97-9-36-2 9-36 88-18-99-2-300

What Is the Title of This Picture?

TO DECODE THE TITLE OF THIS PICTURE:

FIRST, work any problem below and find your answer in the coded title.

SECOND, each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE TITLE.

(O)
$$\begin{array}{r} 785 \\ +609 \\ \hline 1394 \end{array}$$

(S)
$$\begin{array}{r} 375 \\ -261 \\ \hline 114 \end{array}$$

(H)
$$\begin{array}{r} 901 \\ -356 \\ \hline 545 \end{array}$$

(U)
$$\begin{array}{r} 478 \\ +357 \\ \hline 835 \end{array}$$

(A)
$$\begin{array}{r} 727 \\ -369 \\ \hline 358 \end{array}$$

(Y)
$$\begin{array}{r} 644 \\ +946 \\ \hline 1590 \end{array}$$

(R)
$$\begin{array}{r} 878 \\ +679 \\ \hline 1557 \end{array}$$

43

1590-1394-835-73-773

375-1394-1261-365-114-73-773

375-358-365-365 1261-114-308-545

308-1557-358-114-73-114-73-773

1261-545-1327-1327-365-453

CODED TITLE:

(N)
$$\begin{array}{r} 631 \\ -558 \\ \hline 73 \end{array}$$

(T)
$$\begin{array}{r} 500 \\ -192 \\ \hline 308 \end{array}$$

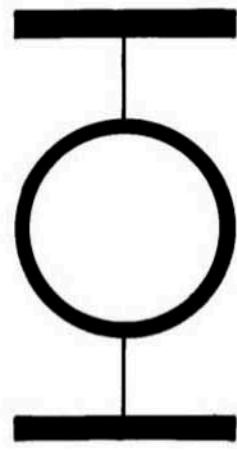
(G)
$$\begin{array}{r} 285 \\ +488 \\ \hline 773 \end{array}$$

(B)
$$\begin{array}{r} 656 \\ -281 \\ \hline 375 \end{array}$$

1261-114-308-545

1261-545-1327-1327-365-453

1590-1394-835-73-773



HIDDEN MESSAGE

FIRST, work each problem and find your answer in the rectangle below.

The correct answers run across from left to right.

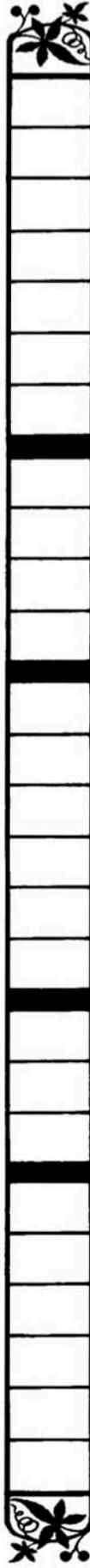
SECOND, cross out each correct answer. When you finish, there will be 26 boxes not crossed out.

STARTING ON THE TOP LINE AND WORKING FROM LEFT TO RIGHT, PRINT THE 26 LETTERS THAT REMAIN INTO THE BOXES AT THE BOTTOM OF THE PAGE. A HIDDEN MESSAGE WILL APPEAR!

$$\begin{array}{r} \textcircled{1} \quad 7549 \quad \textcircled{2} \quad 5063 \quad \textcircled{3} \quad 9247 \quad \textcircled{4} \quad 9634 \quad \textcircled{5} \quad 4770 \\ -3105 \quad \underline{+8172} \quad \underline{-5019} \quad \underline{+4085} \quad \underline{-1859} \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 7391 \quad \textcircled{7} \quad 6501 \quad \textcircled{8} \quad 8659 \quad \textcircled{9} \quad 5900 \quad \textcircled{10} \quad 4608 \quad \textcircled{11} \quad 8000 \\ +7509 \quad \underline{-3783} \quad \underline{+9729} \quad \underline{-4166} \quad \underline{+5738} \quad \underline{-2154} \end{array}$$

B	X	V	L	P	O	U	R	A	S	I	S	E	T	S	A	T	O	N	E	V	E	R	I	Y
4	4	4	0	1	2	9	1	1	9	7	1	8	3	8	8	6	6	2	7	1	8	9	0	
Y	S	E	R	H	Y	L	T	A	R	G	E	V	O	T	S	F	E	L	E	P	H	R	O	M
7	8	1	3	7	1	9	0	5	6	1	7	3	4	2	6	5	1	3	2	3	5	1	5	7
S	A	M	I	G	C	O	I	N	G	R	S	O	M	E	L	A	T	A	B	R	I	G	C	H
6	5	8	4	6	0	4	2	2	8	9	1	4	9	0	0	7	4	1	0	3	4	6	3	7



**CODE
LINE****DIRECTIONS:**

*FIRST, work any problem below and find your answer in the coded line at the bottom of the page.
SECOND, each time the answer appears in the code, write the letter of that problem above it.*

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE LINE.

S = THE SUM OF 3276, 435, AND 8099 =

M = THE DIFFERENCE OF 651 AND 297 =

D = THE SUM OF 63, 590, 81, 39, AND 777 =

P = THE DIFFERENCE OF 3709 AND 882 =

I = 37 MORE THAN 50 =

U = 29 LESS THAN 67 =

H = 88 MORE THAN 1349 =

A = 3198 LESS THAN 7065 =

R = 491 INCREASED BY 35 =

O = 491 REDUCED BY 35 =

T = 3956 INCREASED BY 4877 =

N = 8000 REDUCED BY 1234 =

L = 538 SUBTRACTED FROM THE SUM OF 371 AND 499 =

E = 347 ADDED TO THE DIFFERENCE OF 709 AND 516 =

B = 374 PLUS 618 MINUS 405 =

TITLE: CAGED IN

332-87-456-6766 8833-3867-354-540-526-11,810 540-6766-1550

38-2827 587-540-1437-87-6766-1550 587-3867-526-11,810

TUBO, THE TV MONSTER

THESE PROBLEMS TELL THE STORY OF TUBO, THE TV MONSTER. TO FIND OUT WHAT TUBO SAYS, FOLLOW THESE DIRECTIONS:

Work any problem below and find your answer in the boxes at the bottom of the page. Write the letter of that problem directly under its answer. Keep working until you discover what Tubo says.

E	Tubo looks like a giant TV set. He rolls around on a TV tray. Tubo has 14 eyes and 8 teeth. How many more eyes than teeth does he have?
G	Tubo has 40 front wheels and 24 back wheels. How many more front wheels than back wheels does he have?
S	Tubo has 8 antennae sticking out of one ear and 6 antennae sticking out of another ear. How many antennae does he have altogether?
A	Tubo has pink and purple stripes on his body. He has 45 stripes altogether. If he has 22 pink stripes, how many purple stripes does he have?
T	Tubo has 23 knobs on his right side and 16 knobs on his left side. How many more knobs does he have on his right side than on his left side?
L	Tubo likes to say: "And now a word from our sponsor." On Friday he said it 43 times, on Saturday 75 times, and on Sunday 56 times. How many times did he say it on the three days?
E	Tubo reads two newspapers, Screen Star and Tube Times. Yesterday, he read 73 pages in Screen Star and 43 pages in Tube Times. How many pages did he read in all?
V	Last week Tubo went in for a tune-up. He needed 91 new parts in all. If 66 of these new parts were tubes, how many of the new parts were not tubes?
D	Tubo went to visit his brother, Electron Gun. He traveled 68 miles by bus and 83 miles by train. How many miles did he travel?
U	Tubo eats TV dinners for breakfast. On Saturday, he ate 25 TV dinners. On Sunday, he ate 35 TV dinners. How many TV dinners did he eat in all?
N	Tubo's best friend is Bad Ad. Bad Ad visited Tubo 57 times on Monday and 66 times on Tuesday. How many times did he visit Tubo on the two days?
P	One day Tubo got a short circuit. Bad Ad told him to lengthen the circuit, so Tubo bought some red and blue wires. If he bought 46 wires altogether and 18 were red, how many were blue?

7	25	123	116	6	151	14	23	28	174	60	16
---	----	-----	-----	---	-----	----	----	----	-----	----	----

TUBO SAYS:

How did the firefly feel when he flew into the fan?

JUMBO SUPER CHEESEBURGER	\$1.45	APPLE DUMPLING	\$.70
JUMBO SUPER HAMBURGER	1.30	ROOT BEER, ORANGE, COLA	.40
REGULAR CHEESEBURGER	.95	TRIPLE THICK MILKSHAKE	.85
REGULAR HAMBURGER	.80	THICK MILKSHAKE	.65
FRENCH FRIES	.50	MILK	.35

TO FIND THE ANSWER TO THE QUESTION ABOVE, FOLLOW THESE DIRECTIONS:

Using the prices above, work all the problems below. Then arrange your answers from smallest (least change) to largest (most change). Write the letters of the problems into the boxes at the bottom of the page in this order.

WRITE THE LETTERS IN PROPER ORDER AND YOU WILL HAVE THE ANSWER TO THE QUESTION.

I **ORDER:** 1 jumbo super cheeseburger, 1 apple dumpling, 1 triple thick milkshake. How much change from a \$5.00 bill?

G **ORDER:** 1 regular hamburger, 1 french fries, 1 root beer. How much change from a \$5.00 bill?

D **ORDER:** 2 jumbo super hamburgers, 2 french fries, 1 thick milkshake. How much change from a \$10.00 bill?

L **ORDER:** 3 regular hamburgers, 1 french fries, 1 milk. How much change from a \$5.00 bill?

T **ORDER:** 2 jumbo super cheeseburgers, 2 french fries, 1 apple dumpling, 1 triple thick milkshake. How much change from a \$10.00 bill?

E **ORDER:** 4 regular cheeseburgers, 1 french fries, 2 colas. How much change from a \$10.00 bill?

D **ORDER:** 5 french fries, 2 thick milkshakes. How much change from a \$5.00 bill?

H **ORDER:** 3 jumbo super hamburgers, 1 regular hamburger, 2 apple dumplings, 1 orange. How much change from a \$10.00 bill?

E **ORDER:** 2 regular cheeseburgers, 3 french fries, 1 milk. How much change from a \$5.00 bill?

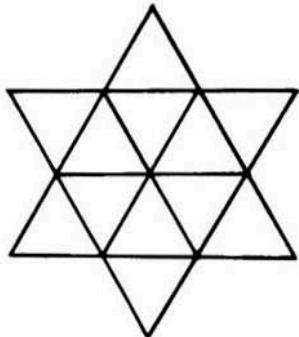
LEAST
CHANGE

--	--	--	--	--	--	--	--	--

MOST
CHANGE

TEST of GENIUS

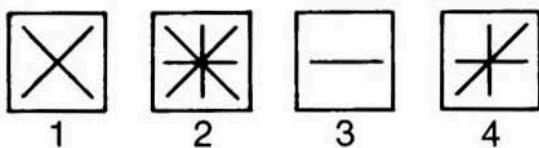
1 How many triangles can you count in this star?



2

—	+	×	—
---	---	---	---

Which of the four figures below should go in the empty box above?



3 Fill in the missing numbers in this number series:

1, 4, 7, __, 13, __, 19, 22

4 Fill in the missing numbers in this number series:

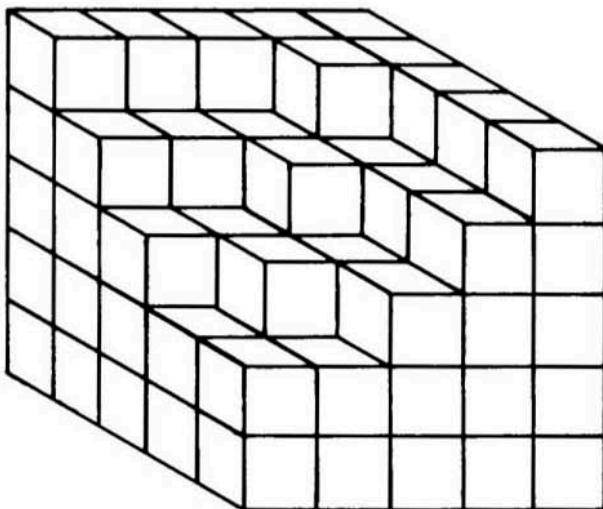
1, 2, 4, 7, 11, __, __, 29

5 Fill in the missing numbers in this number series:

1, 1, 2, 3, 5, 8, __, 21, __

6 Write an expression equal to 15 that uses six 1's and the addition sign. No other symbols can be used.

7 Tell how many blocks it would take to build this:



8 Each digit in the numbers below stands for a letter. Use the clues to figure out which letter each digit stands for. Write your answers in the blanks under the clues.

42378	(pocketbook)
468	(a kind of desert)
24	(not down)
48514658	(to sweat)
43811	(to iron)
5678	(to get up)
4255	(sound a kitten makes)
4244687	(baby dogs)

1 2 3 4 5 6 7 8

9 A farmer had 17 sheep. All but 9 died. How many did he have left?

SCORING KEY

8 or 9	-- Professional Genius
6 or 7	-- Super Genius
4 or 5	-- Genius
3 or less	-- Genius of the Future

PLACE VALUE DECODER

Figure out which digit has the given place value in each number below. Write these digits, in order, into the first row of boxes at the bottom of the page. Then use the decoder key to decode each digit. As you decode each digit, write the letters into the bottom row of boxes.

① 96 (TENS)	⑩ 4001 (THOUSANDS)
② 35 (ONES)	⑪ 803 (TENS)
③ 506 (HUNDREDS)	⑫ 6000 (HUNDREDS)
④ 277 (TENS)	⑬ 3796 (ONES)
⑤ 674 (ONES)	⑭ 8192 (THOUSANDS)
⑥ 1792 (ONES)	⑮ 40 (TENS)
⑦ 500 (HUNDREDS)	⑯ 3218 (THOUSANDS)
⑧ 2020 (TENS)	⑰ 7251 (ONES)
⑨ 5280 (THOUSANDS)	⑱ 9610 (HUNDREDS)

9	5	5	7	4	2	5	2	5	4	0	0	6	8	4	3	1	6
DECODER KEY →																	
0	1	2	3	4	5	6	7	8	9								
L	D	R	N	A	E	Y	T	H	F								
F	E	E	T	A	R	E	R	E	A	L	L	Y	H	A	N	D	Y

7

Why Couldn't Orgo Keep His Waterbed a Secret?

TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

1. Give the value of the underlined digit in each number below. Then find this value in the list of choices under that number.
2. The number in parentheses next to the correct choice tells you where to put the letter of the problem in the boxes at the bottom of the page.

(E) 26 2 × 1 (3) 2 × 10 (7) 2 × 100 (10)	(A) 93 3 × 1 (12) 3 × 10 (17) 3 × 100 (6)	(D) 247 4 × 1 (9) 4 × 10 (15) 4 × 100 (2)
(A) 387 7 × 1 (4) 7 × 10 (1) 7 × 100 (16)	(T) 815 8 × 1 (6) 8 × 10 (1) 8 × 100 (9)	(O) 6304 3 × 10 (14) 3 × 100 (16) 3 × 1000 (5)
(E) 1498 9 × 1 (8) 9 × 10 (2) 9 × 1000 (5)	(I) 7906 7 × 10 (11) 7 × 100 (17) 7 × 1000 (8)	(E) 2601 2 × 1 (6) 2 × 100 (13) 2 × 1000 (14)
(S) 348 4 (10) 40 (6) 400 (13)	(C) 290 2 (5) 20 (18) 200 (3)	(E) 8903 80 (10) 800 (17) 8000 (11)
(U) 5628 2 (13) 20 (5) 200 (1)	(U) 9375 30 (10) 300 (17) 3000 (1)	(B) 6608 0 (1) 10 (10) 100 (18)
(T) 1498 8 (18) 80 (10) 800 (13)	(K) 5026 0 (13) 10 (6) 100 (10)	(L) 8342 80 (13) 800 (15) 8000 (10)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
B	E	C	A	U	S	E	I	T	L	E	A	K	E	D	O	U	T

8

NOTHING BUT THE FACTS



DIRECTIONS:

The addition table below contains 45 mistakes. Shade in each box which contains a mistake. Be sure to use pencil so you can erase if necessary.

YOU WILL END UP WITH A PICTURE OF A FAMOUS BIRD!

+	4	6	9	3	0	8	7	10	2	5	1
3	5	9	12	6	3	11	10	13	5	8	7
6	9	11	13	9	6	17	15	16	4	10	6
8	12	2	16	13	8	15	15	2	8	3	9
4	8	10	12	6	1	13	10	12	7	9	5
9	13	15	18	6	0	1	15	18	11	14	10
7	11	13	16	10	8	12	19	17	9	12	8
5	9	12	10	8	15	3	11	15	8	9	6
2	6	8	7	6	0	10	4	15	5	7	3

EAGLE

NOTE: This puzzle is not ill-eagle!

9

What Did One Eye Say to the Other Eye?

TO FIND THE ANSWER TO THIS QUESTION, FOLLOW THESE DIRECTIONS:

FIRST, work any problem below and find your answer in the rectangles at the bottom of the page.

SECOND, write the letter of the problem under its correct answer.

KEEP WORKING UNTIL YOU DISCOVER THE ANSWER TO THE QUESTION.

(E) 24 + 33 57	(H) 61 + 28 89	(S) 77 + 20 97	(O) 65 + 52 136	(E) 74 + 62 117	(T) 73 + 35 108
(E) 54 + 50 164	(U) 97 + 32 129	(G) 71 + 88 159	(N) 52 + 43 95	(M) 46 + 61 107	(E) 76 + 10 86
(E) 83 + 86 169	(B) 65 + 83 148	(S) 70 + 71 141	(N) 72 + 52 124	(L) 55 + 31 111	(W) 63 + 63 126
(M) 83 + 86 169	(B) 65 + 83 148	(S) 70 + 71 141	(N) 72 + 52 124	(L) 55 + 31 111	(W) 63 + 63 126
(M) 83 + 86 169	(B) 65 + 83 148	(S) 70 + 71 141	(N) 72 + 52 124	(L) 55 + 31 111	(W) 63 + 63 126

10

RI DDL E MATH

HE WORKED REAL HARD
AND HE WAS NO FOOL
SO WHY WAS THE CANNIBAL
SENT HOME FROM SCHOOL?

DIRECTIONS:

The answer to this riddle is written in code at the bottom of the page. To break the code, work any problem and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO THE RIDDLE!

C	36	H	19	G	75	P	93
40		55		24		28	
+82		+59		+70		+61	
158		133		169		182	
R	54	S	30	U	45	Y	65
92		78		81		27	
+88		+99		+97		+57	
234		207		223		149	
W	14	N	63	O	51	I	35
79		86		98		41	
+44		+29		+67		+70	
137		178		216		144	
A	29	E	93	B	70	T	36
56		18		80		78	
+68		+94		+90		+66	
153		205		240		180	

HE WAS TRYING TO
133-205 137-153-207 180-234-149-146-178-169 180-216
BUTTER UP THE
240-223-180-180-205-234 223-182 180-133-205
TEACHER
180-205-153-158-133-205-234

15

Who Invented the First Airplane that Didn't Fly?

TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:
Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.

327 + 46 =	225
908 + 35 =	193
55 + 815 =	601
48 + 177 =	598
692 + 58 =	373
39 + 416 =	750
560 + 41 =	852
59 + 793 =	402
87 + 604 =	533
434 + 99 =	943
896 + 79 =	377
56 + 137 =	451
288 + 89 =	870
79 + 519 =	455
375 + 76 =	691
64 + 338 =	975



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
THE W R O N G B R O T H E R S

THE WRONG BROTHERS

17

What did the ROBOT say to the GAS PUMP?

TO FIND OUT WHAT THE ROBOT SAID, FOLLOW THESE DIRECTIONS:
Add the FOUR numbers touching any letter below. Find your answer in the code at the bottom of the page. Each time the answer appears in the code, write the letter above it.

KEEP WORKING UNTIL YOU HAVE DECODED WHAT THE ROBOT SAID.

28	56	37	44	9
I	U	K	S	
80	13	96	68	6
Y	G	D	M	
22	97	76	49	10
R	T	N	F	
64	5	83	24	52
O	A	L	E	
72	35	91	40	88

THE ROBOT SAID TO THE GAS PUMP:

TAKE YOUR FINGER
261-214-245-204 212-176-202-188 135-177-232-282-204-188
OUT OF YOUR EAR
176-202-261 176-135 212-176-202-188 204-214-188
AND LISTEN TO ME
214-232-289 238-177-127-261-204-232 261-176 133-204

16

DOUBLE CROSS

1. WHAT DO YOU GET WHEN YOU CROSS A CHICKEN WITH A BELL?
AN ALARM CLUCK

1364-1345 1364-916-1364-1126-1088 1129-916-757-1129-790

2. WHAT DO YOU GET WHEN YOU CROSS A PIG WITH A WASHING MACHINE?

HO GWASH

991-1545-1080-501-1364-560-991

3. WHAT DO YOU GET WHEN YOU CROSS A CENTIPEDE WITH A PARROT?

A WALKIE TALKIE

1364 501-1364-916-790-915-821 1516-1364-916-790-915-821

THE ANSWER TO EACH QUESTION ABOVE IS WRITTEN IN CODE UNDER THE QUESTION. TO CRACK THE CODE, FOLLOW THESE DIRECTIONS:

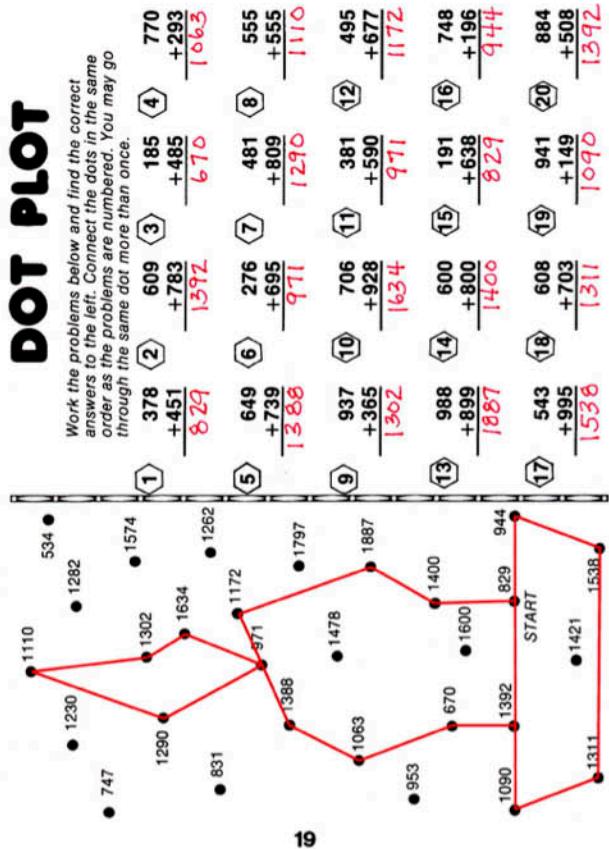
First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. (The same code is used for all three questions.)

KEEP WORKING AND YOU WILL DISCOVER WHAT YOU GET FROM EACH DOUBLE CROSS!

W	125 +376 501	U	249 +508 757	E	667 +154 821	S	292 +268 560
N	547 +798 1345	M	209 +879 1088	I	372 +543 915	R	728 +398 1126
O	756 +789 1545	C	138 +991 1129	G	684 +396 1080	A	478 +886 1364
T	959 +557 1516	H	523 +468 991	K	196 +594 790	L	608 +308 916

18

DOT PLOT



TEST OF KNOWLEDGE

1. IF GEORGE WASHINGTON WERE ALIVE TODAY, WHAT WOULD HE BE FAMOUS FOR?

ANSWER: H I S · A G E

2. WHAT IS THE BEST WAY TO TALK TO A MONSTER?

ANSWER: L O N G · D I S T A N C E

3. WHAT DID THE WOLF MAN EAT AFTER HE HAD HIS TEETH PULLED?

ANSWER: T H E · D E N T I S T

23,744-7861-21,175-8839-21,175-10,537-23,744-22,546-21,111-23,744

THE ANSWER TO EACH QUESTION ABOVE IS WRITTEN IN CODE UNDER THE QUESTION. TO CRACK THE CODE, FOLLOW THESE DIRECTIONS:

First, work any problem below and find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. (The same code is used for all three questions.)

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO EACH QUESTION.

G	7806	O	6958	C	2510	A	3677
	+3492		+7266		+9764		+9825
	11,298		14,224		12,274		13,502
S	6407	H	4378	D	3857	L	5504
	5138		593		4618		9876
	+9566		+2890		+364		+3662
	21,111		7841		8839		19,042
T	1976	E	8697	I	7006	N	4393
	4308		450		5948		785
	7524		3991		3927		4968
	+9936		+8037		+5665		+391
	28,744		21,175		22,546		10,537

21

WHAT GOES CLOMP, CLOMP, CLOMP, CLOMP, CLOMP, SQUOOSH?

TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

FIRST, work any problem below and find your answer in the code at the bottom of the page. SECOND, each time the answer appears in the code, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE ANSWER. GOOD LUCK!

W	184	C	299	H	361	U	983	N	178	A	999
	736		758		294		700		365		888
	+507		+900		+518		+569		668		777
	1247		1957		1173		2252		1211		2664
											1211

20

WHAT DID ORGO GET FOR LOSING 20 POUNDS?

TO FIND OUT THE ANSWER TO THIS QUESTION, FOLLOW THESE DIRECTIONS:

Work any problem below and find your answer in the answer column. The number in front of the answer tells you where to put the letter of the problem in the row of boxes at the bottom of the page.

KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO THE QUESTION.

E	\$ 9.16	Y	\$ 7.97	I	\$ 6.48	1	\$ 111.66
	+ 5.43		+ .25		+ 7.83	2	\$ 100.51
	14.59		8.22		14.31	3	\$ 14.59
O	\$ 15.46	H	\$ 98.05	E	\$ 37.58	4	\$ 40.47
	+ 3.17		+ 2.46		+ 5.00	5	\$ 18.63
	18.63		100.51		42.58	6	\$ 155.65
L	\$ 44.05	E	\$ 97.58	T	\$ 38.19	7	\$ 154.55
	+ 71.06		+ 56.97		+ 73.47	8	\$ 115.11
	115.11		154.55		111.66	9	\$ 157.05
R	\$ 88.80	N	\$ 34.79	Z	\$ 55.00	10	\$ 8.22
	+ 29.47		+ 5.68		+ 98.95	11	\$ 17.63
	118.27		40.47		153.95	12	\$ 118.27
P	\$ 14.69	L	\$ 98.45	B	\$ 96.47	13	\$ 14.31
	.38		30.65		1.03	14	\$ 153.95
	+ 2.56		+ 27.95		+ 58.15	15	\$ 42.58
	17.63		57.05		155.65		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
T	H	E	N	O	B	E	L	L	Y	P	R	I	Z	E

22 THE NOBELLY PRIZE

A	N	O	C	T	O	P	U	S	W	I	T	H
2664-1211	2003-1957-2465-2003-1952-2252-2603	1457-1641-2465-1173	△	△	△	△	△	△	△	△	△	△
△	△	△	E	S	H	O	E	O	F	F	F	F
2003-1211-2220	2003-1173-2003-2220	2003-2477-2477										

HOW TO MAKE A STATUE OF AN ELEPHANT

TO LEARN A SIMPLE WAY TO MAKE A STATUE OF AN ELEPHANT, FOLLOW THESE DIRECTIONS:

Each of the two blocks below is divided into 20 boxes. Boxes in the top block contain problems and boxes in the bottom block contain the answers. Work any problem and find your answer in the bottom block. Then write the word from the problem box into the answer box.

46-29 17	51-12 39	60-47 13	84-39 45	62-16 46
BIG	AN	HAVE	LOOK	AWAY
20-11 9	56-37 19	75-38 37	92-13 79	61-45 16
FIRST	DOESN'T	TO	THEN	JUST
93-27 66	82-14 68	53-45 8	34-16 18	60-33 27
AND	A	THAT	YOU	ELEPHANT
43-19 24	80-49 31	95-47 48	87-29 58	62-48 14
ROCK	GET	EVERYTHING	LIKE	CUT

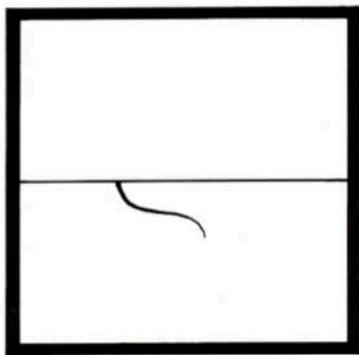
9	18	13	37	31
FIRST	YOU	HAVE	TO	GET
68	17	24	66	79
A	BIG	ROCK	AND	THEN
16	14	46	48	8
JUST	CUT	AWAY	EVERYTHING	THAT
19	45	58	39	27
DOESN'T	LOOK	LIKE	AN	ELEPHANT

29

What is the Title of This Picture? ↵

TO DECODE THE TITLE OF THIS PICTURE:

FIRST, work any problem below and find your answer in the coded title.
SECOND, each time the answer appears in the code, write the letter of that problem above it.
KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE TITLE.



CODED TITLE:

Ⓐ 82	Ⓑ 51	Ⓒ 84	Ⓓ 30
-46	-23	-67	-16
36	28	17	14
90	95	67	P 83
-88	-49	-27	-59
2	46	40	24

27

On THE BUTTON

HERE IS A BUTTON YOU CAN CUT OUT AND WEAR. TO DECODE THE BUTTON:

FIRST, work any problem below and find your answer around the rim of the button.
SECOND, each time the answer appears on the button, write the letter of that problem above it.
KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE BUTTON. GOOD LUCK!

Ⓐ 54	Ⓑ 27	Ⓒ 76	Ⓓ 61	Ⓔ 70	Ⓕ 48	Ⓖ 29	Ⓗ 44	Ⓘ 39
Ⓑ 92	Ⓒ 25	Ⓓ 18	Ⓔ 57	Ⓕ 48	Ⓖ 22	Ⓗ 20	Ⓗ 36	Ⓛ 39
Ⓓ 67	Ⓔ 58	Ⓕ 4	Ⓖ 22	Ⓗ 22	Ⓛ 20	Ⓜ 19	Ⓜ 36	Ⓜ 39
Ⓐ 84	Ⓑ 15	Ⓒ 48	Ⓓ 73	Ⓔ 55	Ⓕ 26	Ⓖ 58	Ⓗ 40	Ⓛ 39
Ⓑ 64	Ⓒ 19	Ⓓ 34	Ⓔ 39	Ⓕ 29	Ⓖ 29	Ⓗ 17	Ⓛ 17	Ⓜ 22

28

FIND THE MESSAGE

TO FIND THE HIDDEN MESSAGE, FOLLOW THESE DIRECTIONS:

1. Each row going across has 5 rectangles. Only 3 of them contain a problem whose answer is the given number. Circle these 3 problems in each row.
2. Over each problem you have circled, notice the small number and letter. The number tells you which box at the bottom of the page to put the letter in. You will spell out a special message.

14-E	16-T	8-A	21-S	5-M
EQUAL TO 10 56-46	47-36	85-75	22-12	78-58
12-R	5-Y	16-E	2-P	13-K
EQUAL TO 37 72-45	69-32	95-58	56-9	54-17
2-E	4-A	19-O	20-L	10-S
EQUAL TO 14 53-39	68-44	71-57	89-55	30-16
15-M	12-A	1-B	7-S	4-R
EQUAL TO 26 74-48	93-67	52-19	68-52	63-37
9-S	7-O	20-S	11-M	3-L
EQUAL TO 69 91-23	87-18	99-30	77-8	86-27
3-R	9-T	6-C	18-T	1-F
EQUAL TO 45 90-45	72-27	89-54	94-39	63-18
18-R	6-B	17-S	17-C	18-T
EQUAL TO 58 74-16	93-35	73-5	80-22	88-40
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 F E R D I Z B O A T S N A K E M N E C R O S S				

30

MONSTER MYSTERIES

1. WHAT SHOULD YOU DO WITH A GREEN MONSTER?

ANSWER: **W A I T U N T I L H E R I P E N S**
 76-141-356-486 569-269-486-559-19 375-359-128-467-289-57

2. WHAT SHOULD YOU DO WITH A BLUE MONSTER?

ANSWER: **T R Y T O C H E E R H I M U P**
 486-427-289 486-187 247-375-467-467-427 375-359-477 569-128

TO DECODE THE ANSWERS TO THESE TWO "MONSTER MYSTERIES":
 First, work any problem below and find your answer in the code. Each time
 the answer appears in the code, write the letter of that problem above it.
 (The same code is used for both monster mysteries.)
 KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE ANSWER TO
 EACH MYSTERY.



33

(P) $\frac{-186}{128}$	(C) $\frac{-297}{247}$	(A) $\frac{544}{-569}$	(D) $\frac{710}{141}$	(U) $\frac{948}{-375}$
(S) $\frac{-698}{57}$	(M) $\frac{650}{-171}$	(I) $\frac{838}{-479}$	(O) $\frac{488}{-293}$	(Y) $\frac{688}{-399}$
(H) $\frac{942}{-567}$	(N) $\frac{418}{-149}$	(W) $\frac{770}{-694}$	(T) $\frac{881}{-395}$	(E) $\frac{765}{-298}$
				(R) $\frac{913}{-486}$

Type to enter text

(P) $\frac{-314}{128}$	(C) $\frac{544}{-297}$	(A) $\frac{710}{141}$	(D) $\frac{948}{-375}$	(U) $\frac{948}{-375}$
(S) $\frac{755}{57}$	(M) $\frac{650}{-171}$	(I) $\frac{838}{-479}$	(O) $\frac{488}{-293}$	(Y) $\frac{688}{-399}$
(H) $\frac{942}{-567}$	(N) $\frac{418}{-149}$	(W) $\frac{770}{-694}$	(T) $\frac{881}{-395}$	(E) $\frac{765}{-298}$
				(R) $\frac{913}{-486}$

A famous farmer once said...

THE WORDS OF A FAMOUS FARMER ARE HIDDEN IN THE MESSAGE BELOW. TO FIND THEM:
 FIRST, work each problem and find your answers at the bottom of
 the page.
 SECOND, shade out the letter above each and every correct answer.
 WHEN YOU FINISH, THE FAMOUS FARMER'S WORDS WILL REMAIN!

(1) $\frac{-329}{376}$	(2) $\frac{304}{118}$	(3) $\frac{-186}{449}$	(4) $\frac{-459}{449}$	(5) $\frac{600}{753}$	(6) $\frac{409}{-261}$	(7) $\frac{702}{247}$	(8) $\frac{-455}{394}$	(9) $\frac{900}{394}$	(10) $\frac{-506}{228}$	(11) $\frac{-407}{198}$	(12) $\frac{605}{272}$	(13) $\frac{-400}{-128}$	(14) $\frac{701}{-272}$	(15) $\frac{802}{-557}$
(1) $\frac{-519}{285}$	(2) $\frac{804}{148}$	(3) $\frac{-407}{198}$	(4) $\frac{802}{-557}$	(5) $\frac{-717}{89}$	(6) $\frac{409}{-265}$	(7) $\frac{702}{265}$	(8) $\frac{-455}{394}$	(9) $\frac{900}{394}$	(10) $\frac{-506}{228}$	(11) $\frac{-407}{198}$	(12) $\frac{605}{272}$	(13) $\frac{-400}{-128}$	(14) $\frac{701}{-272}$	(15) $\frac{802}{-557}$
(1) $\frac{-519}{285}$	(2) $\frac{804}{148}$	(3) $\frac{-407}{198}$	(4) $\frac{802}{-557}$	(5) $\frac{-717}{89}$	(6) $\frac{409}{-265}$	(7) $\frac{702}{265}$	(8) $\frac{-455}{394}$	(9) $\frac{900}{394}$	(10) $\frac{-506}{228}$	(11) $\frac{-407}{198}$	(12) $\frac{605}{272}$	(13) $\frac{-400}{-128}$	(14) $\frac{701}{-272}$	(15) $\frac{802}{-557}$
(1) $\frac{-519}{285}$	(2) $\frac{804}{148}$	(3) $\frac{-407}{198}$	(4) $\frac{802}{-557}$	(5) $\frac{-717}{89}$	(6) $\frac{409}{-265}$	(7) $\frac{702}{265}$	(8) $\frac{-455}{394}$	(9) $\frac{900}{394}$	(10) $\frac{-506}{228}$	(11) $\frac{-407}{198}$	(12) $\frac{605}{272}$	(13) $\frac{-400}{-128}$	(14) $\frac{701}{-272}$	(15) $\frac{802}{-557}$

EIEIO

34

LOVE STORY

You have probably heard about the guy who met a girl while driving his steam roller and got a crush on her. Well, here is another touching, tender, romantic love story. But it is written in code. To decode:

FIRST, figure out the missing addend in any equation below and find your answer in the coded Love Story at the bottom of the page. SECOND, each time the answer appears in the code, write the letter of that equation above it.

KEEP WORKING UNTIL YOU HAVE DECODED THE LOVE STORY. YOU'LL LOVE IT!

(G) $41 + \boxed{35} = 76$	(L) $\boxed{59} + 6 = 65$
(A) $29 + \boxed{56} = 85$	(S) $\boxed{19} + 51 = 70$
(U) $8 + \boxed{43} = 51$	(I) $\boxed{12} + 9 = 21$
(T) $44 + \boxed{16} = 60$	(E) $\boxed{8} + 84 = 92$
(W) $65 + \boxed{31} = 96$	(O) $\boxed{40} + 40 = 80$
(N) $18 + \boxed{39} = 57$	(D) $\boxed{65} + 28 = 93$
(H) $69 + \boxed{5} = 74$	(V) $\boxed{47} + 11 = 58$
(M) $24 + \boxed{28} = 52$	(R) $\boxed{44} + 47 = 91$

WE MET IN A REVOLVING
 31-8 28-8-16 12-39 56 44-8-47-40-59-47-12-39-35
 DOOR AND STARTED
 65-40-40-44 56-39-65 19-16-56-44-16-8-65
 GOING AROUND TOGETHER
 35-40-12-39-35 56-44-40-43-35 11-10-9-8-7-6-5-4-3-2-1

31



Daffynition Decoder

MEAT LOAF

661-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

TO DECODE THESE THREE DAFFYNITIONS, FOLLOW THESE DIRECTIONS:

First, work any problem below and find your answer in the code. Each time

the answer appears in the code, write the letter of that problem above it.

(The same code is used for all three daffynitions.)

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE DAFFYNITIONS.

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

MEAT LOAF

661-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

MEAT LOAF

661-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

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584-502-275-247 592-334-275-357-502-617

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RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

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BASEBALL BAT

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RAINCOAT

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LAZY BUTCHER

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BASEBALL BAT

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LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

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RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

247-23-52-607-196-502-617 192-502-275-617

LAZY BUTCHER

584-502-275-247 592-334-275-357-502-617

BASEBALL BAT

357-592-103 67-192-275-247-502-617

RAINCOAT

CRACK THE CODE

A SECRET MESSAGE IS WRITTEN IN CODE AT THE BOTTOM OF THE PAGE. TO CRACK THE CODE:

FIRST, work any problem below and find your answer in the code.
SECOND, each time the answer appears in the code, write the letter of that problem above it.



KEEP DOING PROBLEMS UNTIL YOU DISCOVER THE SECRET MESSAGE.

SECRET MESSAGE	
(R) 601	(D) 408
-345	-119
256	289
(U) 904	(O) 506
-407	-229
497	277
(E) 305	(I) 807
-219	-489
86	318
THE HARDEST THING ABOUT LEARNING TO ROLLER SKATE IS THE SIDEWALK	
79-26-86 26-444-256-289-86-159-79 79-26-318-235-178 169-86-444-256-235-318-235-178 79-277 256-277-169-169-86-256	
159-357-444-79-86 318-159 79-26-86 159-318-289-86-448-444-169-357	

35

The Spirit of '76

DIRECTIONS:

1. Each room in this maze contains a problem. Work the problems and circle each problem WHOSE ANSWER IS 76. You should find TEN problems with this answer.
2. Then draw a path to the treasure that goes ONLY through these ten rooms. The words in these boxes will form a special message.

814-748 TRUNKS	TREASURE			560-464 MUCH
256-80 HAVE	(143-67) PEOPLE	171-96 AT	400-314 VERY	
319-233 TODAY	(285-209) WITH	(610-534) UP	(322-246) FED	
375-309 CAUGHT	515-239 SOMETIMES	951-874 LOOKING	(900-824) IS	
683-608 OFTEN	205-39 FOUND	(695-619) SOMEONE	(736-660) WHO	
712-536 IS	(208-132) CANNIBAL	(514-438) IS	509-443 ANIMALS	
120-43 ELEPHANT	(835-759) A	696-510 TIGERS	438-372 ARE	
837-751 THE	A CANNIBAL IS SOMEONE WHO IS FED UP WITH PEOPLE.			888-802 MONSTERS

37

LINE UP

DIRECTIONS: Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.

742-359	6	193
240-198	2	886
806-237	12	308
975-89	10	286
450-208	12	209
675-579	4	383
784-97	16	687
500-291	9	80
105-58	18	42
361-168	5	242
447-139	14	619
704-377	3	226
850-770	13	569
686-67	17	327
800-514	1	96
912-37	11	246
507-281	1	47
465-219	11	875
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		
M A T C H E S A N D O T H E R W A T C H E S C E L L S		
MATCHES ARE HOTHEADS		

36

What is the DIFFERENCE between a JEWELER and a JAILOR?

THE ANSWER TO THIS IMPORTANT QUESTION IS WRITTEN IN CODE AT THE BOTTOM OF THE PAGE. TO DECODE:

First, work any problem below. Then find your answer in the code. Each time the answer appears in the code, write the letter of that problem above it. Keep doing problems until you discover the answer to the question.

(T) 4085	(N) 6734	(R) 9157	(S) 8306	(D) 5008	(O) 6534	(A) 2622
-1367	-2075	-5692	-7419	-3333	-2987	-1918
2718	4659	3265	807	1675	3547	704
(I) 9800	(C) 7445	(H) 7083	(J) 8000	(W) 4270	(E) 5000	(L) 6731
-4917	-5809	-4994	-6715	-1399	-4328	-5829
4883	1136	2089	1285	2871	672	902

CODED ANSWER
T H E J E W E L E R S E L L S
2718-2089-672 1285-672-2871-672-902-672-3265 887-672-902-902-887
W A T C H E S A N D O T H E R W A T C H E S C E L L S
2871-704-2718-1636-2089-672-887 704-4659-1675 2718-2089-672
J A I L O R W A T C H E S C E L L S
1285-704-4883-902-3547-3265 2871-704-2718-1636-2089-672-887 1636-672-902-902-887

38

HEX CODE

A SECRET MESSAGE IS WRITTEN IN CODE AT THE BOTTOM OF THE PAGE. TO DECODE:

FIRST, work any problem below and find your answer in the answer column. Notice the design next to the answer.

SECOND, find this design in the coded message. Each time it appears, write the letter of that problem above it.

KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE MESSAGE.

It's HEXciting!!

(E) $\begin{array}{r} \$7.80 \\ - 6.95 \\ \hline 4.85 \end{array}$	(I) $\begin{array}{r} \$5.09 \\ - 2.74 \\ \hline \$2.35 \end{array}$	(R) $\begin{array}{r} \$8.93 \\ - 4.54 \\ \hline \$4.39 \end{array}$	(O) $\begin{array}{r} \$6.48 \\ - 3.15 \\ \hline \$3.33 \end{array}$	(S) $\begin{array}{r} \$13.58 \\ - 10.05 \\ \hline \$3.53 \end{array}$	(T) $\begin{array}{r} \$25.76 \\ - 24.95 \\ \hline \$1.81 \end{array}$	(C) $\begin{array}{r} \$65.52 \\ - 65.52 \\ \hline \$0.00 \end{array}$	(D) $\begin{array}{r} \$70.05 \\ - 3.33 \\ \hline \$66.72 \end{array}$
(A) $\begin{array}{r} \$13.75 \\ - 1.99 \\ \hline \$11.76 \end{array}$	(T) $\begin{array}{r} \$95.00 \\ - 24.95 \\ \hline \$70.05 \end{array}$	(G) $\begin{array}{r} \$47.46 \\ - 18.07 \\ \hline \$29.39 \end{array}$	(J) $\begin{array}{r} \$3.33 \\ - 1.33 \\ \hline \$2.00 \end{array}$	(S) $\begin{array}{r} \$13.58 \\ - 10.05 \\ \hline \$3.53 \end{array}$	(I) $\begin{array}{r} \$2.35 \\ - 1.35 \\ \hline \$1.00 \end{array}$	(B) $\begin{array}{r} \$89.67 \\ - 74.09 \\ \hline \$15.58 \end{array}$	(F) $\begin{array}{r} \$9.01 \\ - 8.01 \\ \hline \$1.00 \end{array}$
(L) $\begin{array}{r} \$64.05 \\ - 57.99 \\ \hline \$6.06 \end{array}$	(C) $\begin{array}{r} \$70.20 \\ - 4.68 \\ \hline \$65.52 \end{array}$	(H) $\begin{array}{r} \$56.71 \\ - 30.95 \\ \hline \$25.76 \end{array}$	(K) $\begin{array}{r} \$29.39 \\ - 25.76 \\ \hline \$3.63 \end{array}$	(E) $\begin{array}{r} \$8.85 \\ - 8.00 \\ \hline \$0.85 \end{array}$	(N) $\begin{array}{r} \$15.58 \\ - 14.99 \\ \hline \$0.59 \end{array}$	(D) $\begin{array}{r} \$6.06 \\ - 5.99 \\ \hline \$0.07 \end{array}$	(M) $\begin{array}{r} \$0.07 \\ - 0.07 \\ \hline \$0.00 \end{array}$
(N) $\begin{array}{r} \$10.00 \\ - .99 \\ \hline \$9.01 \end{array}$	(S) $\begin{array}{r} \$32.56 \\ - 18.98 \\ \hline \$13.58 \end{array}$	(B) $\begin{array}{r} \$89.67 \\ - 74.09 \\ \hline \$15.58 \end{array}$	(P) $\begin{array}{r} \$15.58 \\ - 14.99 \\ \hline \$0.59 \end{array}$	(Q) $\begin{array}{r} \$6.06 \\ - 5.99 \\ \hline \$0.07 \end{array}$	(R) $\begin{array}{r} \$0.07 \\ - 0.07 \\ \hline \$0.00 \end{array}$	(U) $\begin{array}{r} \$0.00 \\ - 0.00 \\ \hline \$0.00 \end{array}$	(V) $\begin{array}{r} \$0.00 \\ - 0.00 \\ \hline \$0.00 \end{array}$

SECRET MESSAGE
C A N N O N · B A L L S
A R E E · B I G · S H O T S

39

Why Did the Saw Go On a Diet?

TO ANSWER THIS QUESTION, FOLLOW THESE DIRECTIONS:

Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.

89+87 =	78
45-29 =	5
65-9 =	39
76+54 =	23
92-58 =	35
30+48 =	37
70-31 =	176
78+79 =	56
28+7 =	91
99-10 =	144
33-28 =	16
43-6 =	34
57+34 =	157
81-40 =	148
50-27 =	89
69+79 =	130
46+98 =	41

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
HE WANTED TO CUT DOWN
40 HE WANTED TO CUT DOWN

FIND THE BINGO

DIRECTIONS:
Work any problem on this page and find your answer in the bingo box below. CIRCLE the answer.
Keep working problems in ANY ORDER until you have five circled answers in a line—horizontally, vertically, or diagonally. WHEN YOU FIND THE BINGO, YOUR WORK IS FINISHED!

131	119	125	110	117
58	27	84	34	3
32	5	15	239	200
224	8	47	13	164
25	41	19	52	

BINGO

61	47	34	29	19
8	34	29	19	19
50	50	50	50	50
50	50	50	50	50
50	50	50	50	50

41

CHAIN CODE

THESE ARE CALLED CHAIN PROBLEMS. DO THE STEPS IN ORDER FROM LEFT TO RIGHT FOR EACH PROBLEM.

Work any problem and find your answer in the coded message at the bottom of the page. Each time the answer appears in the code, write the letter at the end of that problem above it. Keep doing problems until you have decoded the message.

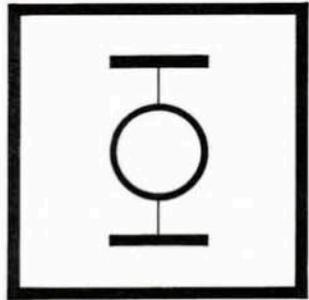
TAKE 67	→ SUBTRACT 27	→ ADD 78	→ ADD 90	= 206 = K
TAKE 18	→ ADD 46	→ SUBTRACT 35	→ ADD 7	= 36 = N
TAKE 90	→ SUBTRACT 34	→ SUBTRACT 19	→ ADD 62	= 99 = U
TAKE 57	→ ADD 19	→ ADD 4	→ SUBTRACT 37	= 43 = S
TAKE 48	→ ADD 39	→ SUBTRACT 17	→ SUBTRACT 61	= 9 = I
TAKE 91	→ SUBTRACT 57	→ ADD 18	→ SUBTRACT 50	= 2 = G
TAKE 34	→ ADD 59	→ SUBTRACT 92	→ ADD 6	= 7 = E
TAKE 55	→ ADD 90	→ ADD 87	→ ADD 68	= 300 = H
TAKE 81	→ SUBTRACT 67	→ ADD 38	→ ADD 45	= 97 = L
TAKE 77	→ SUBTRACT 8	→ ADD 15	→ SUBTRACT 79	= 5 = A
TAKE 84	→ ADD 7	→ SUBTRACT 59	→ SUBTRACT 14	= 18 = O
TAKE 63	→ SUBTRACT 0	→ SUBTRACT 27	→ ADD 97	= 133 = B
TAKE 26	→ ADD 41	→ ADD 78	→ SUBTRACT 60	= 85 = R
TAKE 34	→ ADD 0	→ ADD 16	→ ADD 38	= 88 = D

TITLE: MAKING BREAD
BAKERS ARE ROLLING IN DOUGH
133-5-208-7-85-43 5-85-7 85-18-97-9-36-2 9-36 88-18-99-2-300

42

What Is the Title of This Picture?

TO DECODE THE TITLE OF THIS PICTURE:
 FIRST, work any problem below and find your answer in the coded line.
 SECOND, each time the answer appears in the code, write the letter of that problem above it.
 KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE TITLE.



43

(O) $785 + 609 = 1394$	(I) $375 - 261 = 114$	(S) $936 - 483 = 453$	(U) $478 + 357 = 835$
(A) $727 - 369 = 358$	(Y) $644 + 946 = 1590$	(H) $901 - 356 = 545$	(R) $878 + 679 = 1557$
(E) $541 + 786 = 1327$	(G) $285 + 488 = 773$	(T) $500 - 192 = 308$	(N) $631 - 558 = 73$
(W) $970 + 291 = 1261$	(L) $804 - 439 = 365$	(B) $656 - 281 = 375$	(A) $114 - 73 = 41$

CODED TITLE:

Y O U N G
 1590-1394-835-73-773
 B O W
 375-1394-1261-365-114-73-773
 A L W
 375-358-365-365-1261-114-308-545
 T R A
 308-1557-358-114-73-114-73-773
 W H E L S
 1261-545-1327-1327-365-453

HIDDEN MESSAGE

FIRST, work each problem and find your answer in the rectangle below.
 The correct answers run across from left to right.
 SECOND, cross out each correct answer. When you finish, there will be 26 boxes not crossed out.

STARTING ON THE TOP LINE AND WORKING FROM LEFT TO RIGHT, PRINT THE 26 LETTERS THAT REMAIN IN THE BOXES AT THE BOTTOM OF THE PAGE. A HIDDEN MESSAGE WILL APPEAR!

(1) $7549 - 3105 = 4445$	(2) $5063 + 8172 = 13235$	(3) $9247 - 5019 = 4228$	(4) $9634 + 4085 = 13719$	(5) $4770 - 1859 = 2911$
(6) $7391 + 7509 = 14900$	(7) $6501 - 3783 = 2718$	(8) $8659 + 9729 = 18388$	(9) $5900 - 4166 = 1734$	(10) $4608 + 5738 = 10346$

44

TUBO, THE TV MONSTER

THESE PROBLEMS TELL THE STORY OF TUBO, THE TV MONSTER. TO FIND OUT WHAT TUBO SAYS, FOLLOW THESE DIRECTIONS:

Work any problem below and find your answer in the boxes at the bottom of the page. Write the letter of that problem directly under its answer. Keep working until you discover what Tubo says.

E	Tubo looks like a giant TV set. He rolls around on a TV tray. Tubo has 14 eyes and 8 teeth. How many more eyes than teeth does he have? <u>6</u>
G	Tubo has 40 front wheels and 24 back wheels. How many more front wheels than back wheels does he have? <u>16</u>
S	Tubo has 8 antennae sticking out of one ear and 6 antennae sticking out of another ear. How many antennae does he have altogether? <u>14</u>
A	Tubo has pink and purple stripes on his body. He has 45 stripes altogether. If he has 22 pink stripes, how many purple stripes does he have? <u>23</u>
T	Tubo has 23 knobs on his right side and 16 knobs on his left side. How many more knobs does he have on his right side than on his left side? <u>7</u>
L	Tubo likes to say: "And now a word from our sponsor." On Friday he said it 43 times, on Saturday 75 times, and on Sunday 56 times. How many times did he say it on the three days? <u>174</u>
E	Tubo reads two newspapers, Screen Star and Tube Times. Yesterday, he read 73 pages in Screen Star and 43 pages in Tube Times. How many pages did he read in all? <u>116</u>
V	Last week Tubo went in for a tune-up. He needed 91 new parts in all. If 66 of these new parts were tubes, how many of the new parts were not tubes? <u>25</u>
D	Tubo went to visit his brother, Electron Gun. He traveled 68 miles by bus and 83 miles by train. How many miles did he travel? <u>151</u>
U	Tubo eats TV dinners for breakfast. On Saturday, he ate 25 TV dinners. On Sunday, he ate 35 TV dinners. How many TV dinners did he eat in all? <u>50</u>
Z	Tubo's best friend is Bad Ad. Bad Ad visited Tubo 57 times on Monday and 66 times on Tuesday. How many times did he visit Tubo on the two days? <u>123</u>
P	One day Tubo got a short circuit. Bad Ad told him to lengthen the circuit, so Tubo bought some red and blue wires. If he bought 46 wires altogether and 18 were red, how many were blue? <u>28</u>

TUBO SAYS:	7	25	123	116	6	151	14	23	28	174	60	16
	T	V	N	E	E	D	S	A	P	L	U	G

TV NEEDS A PLUG

CODE LINE

DIRECTIONS:
 FIRST, work any problem below and find your answer in the coded line at the bottom of the page.
 SECOND, each time the answer appears in the code, write the letter of that problem above it.
 KEEP DOING PROBLEMS UNTIL YOU HAVE DECODED THE LINE.

S = THE SUM OF 3276, 435, AND 8099 = <u>11,810</u>
M = THE DIFFERENCE OF 651 AND 297 = <u>354</u>
D = THE SUM OF 63, 590, 81, 39, AND 777 = <u>1550</u>
P = THE DIFFERENCE OF 3709 AND 882 = <u>2827</u>
I = 37 MORE THAN 50 = <u>87</u>
U = 29 LESS THAN 67 = <u>38</u>
H = 88 MORE THAN 1349 = <u>1437</u>
A = 3198 LESS THAN 7065 = <u>3867</u>
R = 491 INCREASED BY 35 = <u>526</u>
O = 491 REDUCED BY 35 = <u>456</u>
T = 3956 INCREASED BY 4877 = <u>8833</u>
N = 8000 REDUCED BY 1234 = <u>6766</u>
L = 538 SUBTRACTED FROM THE SUM OF 371 AND 499 = <u>332</u>
E = 347 ADDED TO THE DIFFERENCE OF 709 AND 516 = <u>540</u>
B = 374 PLUS 618 MINUS 405 = <u>587</u>

TITLE: CAGED IN

L I O N T A M E R S E N D
 332-87-456-6766 8833-3867-354-540-526-11,810 540-6766-1550
 U P B E H I N D B A R S
 38-2827 587-540-1437-87-6766-1550 587-3867-526-11,810

45

58

How did the firefly feel when he flew into the fan?

JUMBO SUPER CHEESEBURGER	\$1.45	APPLE DUMPLING	\$.70
JUMBO SUPER HAMBURGER	1.30	ROOT BEER, ORANGE, COLA	.40
REGULAR CHEESEBURGER	.85	TRIPLE THICK MILKSHAKE	.85
REGULAR HAMBURGER	.80	THICK MILKSHAKE	.65
FRENCH FRIES	.50	MILK	.35

TO FIND THE ANSWER TO THE QUESTION ABOVE, FOLLOW THESE DIRECTIONS:
Using the prices above, work all the problems below. Then arrange your answers from smallest (least change) to largest (most change). Write the letters of the problems into the boxes at the bottom of the page in this order. WRITE THE LETTERS IN PROPER ORDER AND YOU WILL HAVE THE ANSWER TO THE QUESTION.

I ORDER: 1 jumbo super cheeseburger, 1 apple dumpling, 1 triple thick milkshake. How much change from a \$5.00 bill? **\$2.00**

G ORDER: 1 regular hamburger, 1 french fries, 1 root beer. How much change from a \$5.00 bill? **\$3.30**

D ORDER: 2 jumbo super hamburgers, 2 french fries, 1 thick milkshake. How much change from a \$10.00 bill? **\$15.75**

L ORDER: 3 regular hamburgers, 1 french fries, 1 milk. How much change from a \$5.00 bill? **\$1.75**

T ORDER: 2 jumbo super cheeseburgers, 2 french fries, 1 apple dumpling, 1 triple thick milkshake. How much change from a \$10.00 bill? **\$4.55**

E ORDER: 4 regular cheeseburgers, 1 french fries, 2 colas. How much change from a \$10.00 bill? **\$4.90**

D ORDER: 5 french fries, 2 thick milkshakes. How much change from a \$5.00 bill? **\$1.20**

H ORDER: 3 jumbo super hamburgers, 1 regular hamburger, 2 apple dumplings, 1 orange. How much change from a \$10.00 bill? **\$3.50**

E ORDER: 2 regular cheeseburgers, 3 french fries, 1 milk. How much change from a \$5.00 bill? **\$1.25**

LEAST CHANGE **D E L I G H T E D** MOST CHANGE

47

TEST of GENIUS

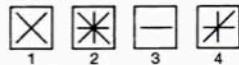
1 How many triangles can you count in this star?



20

2

Which of the four figures below should go in the empty box above?



3 Fill in the missing numbers in this number series:

1, 4, 7, **10**, 13, **16**, 19, 22
counting by 3's

4 Fill in the missing numbers in this number series:

1, 2, 4, 7, 11, **16**, **22**, 29
adding 1, 2, 3, 4, etc.

5 Fill in the missing numbers in this number series:

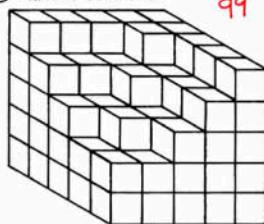
1, 1, 2, 3, 5, 8, **13**, 21, **34**
each number = sum of previous two numbers

6 Write an expression equal to 15 that uses six 1's and the addition sign. No other symbols can be used.

$$11 + 1 + 1 + 1 + 1 + 1$$

7 Tell how many blocks it would take to build this:

99



8 Each digit in the numbers below stands for a letter. Use the clues to figure out which letter each digit stands for. Write your answers in the blanks under the clues.

42378 (pocketbook)
468 (a kind of desert)
24 (not down)
48514658 (to sweat)
43811 (to iron)
5678 (to get up)
4255 (sound a kitten makes)
4244687 (baby dogs)

S U R P R I S E

9 A farmer had 17 sheep. All but 9 died. How many did he have left? **9**

SCORING KEY							
8 or 9	-	Professional Genius					
6 or 7	-	Super Genius					
4 or 5	-	Genius					
3 or less	-	Genius of the Future					

48