

The background is a vibrant red surface covered with various mathematical equations and numbers in white. Some equations include  $15 \div 3 = 5$ ,  $10 - 9 = 1$ ,  $8 - 5 = 3$ ,  $7 - 5 = 2$ ,  $8325 - 546 = 7779$ ,  $20 \times 6 = 120$ ,  $120 + 1214 = 2335$ , and  $14 \div 27$ .

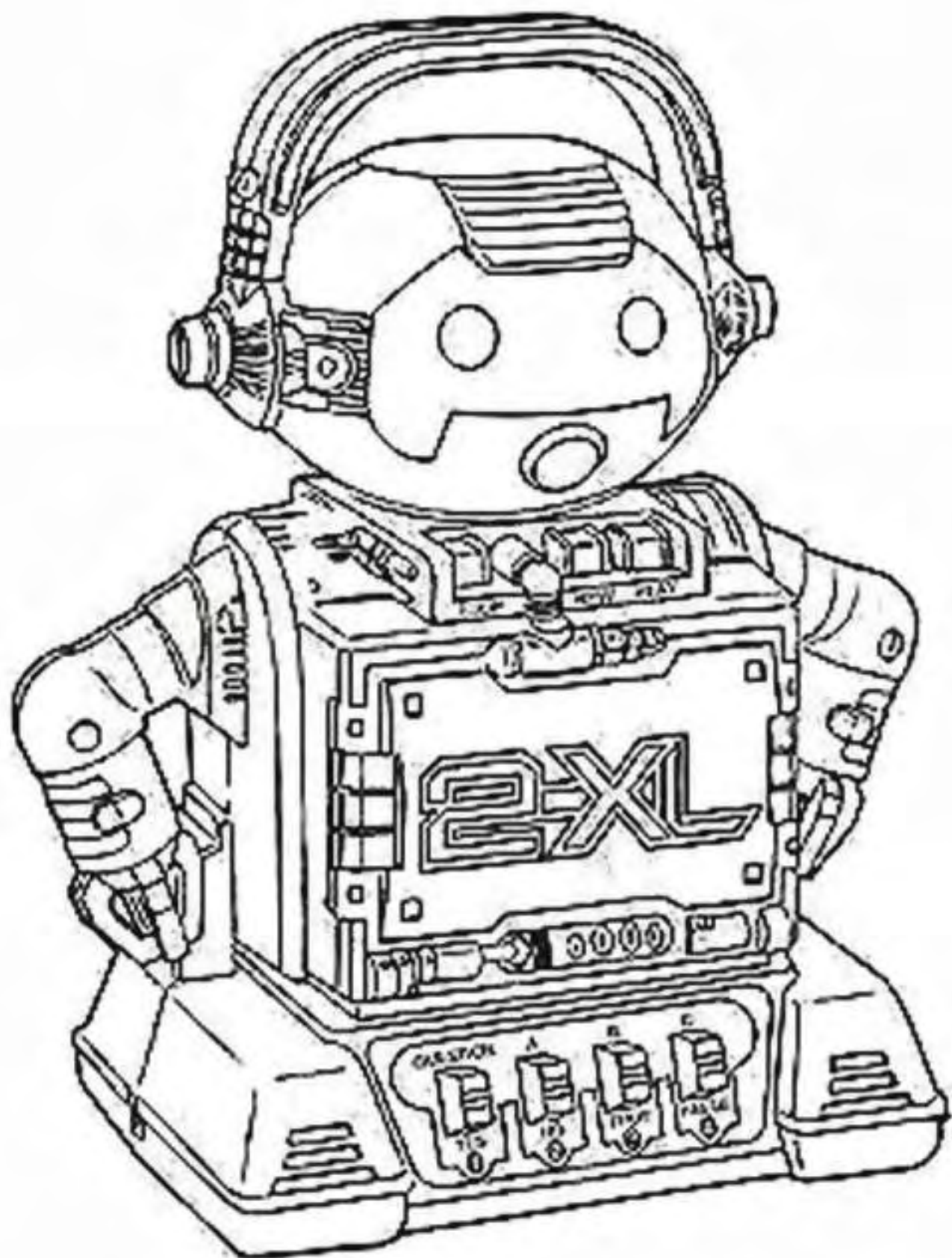
# 2-XL

Activity Book to Accompany

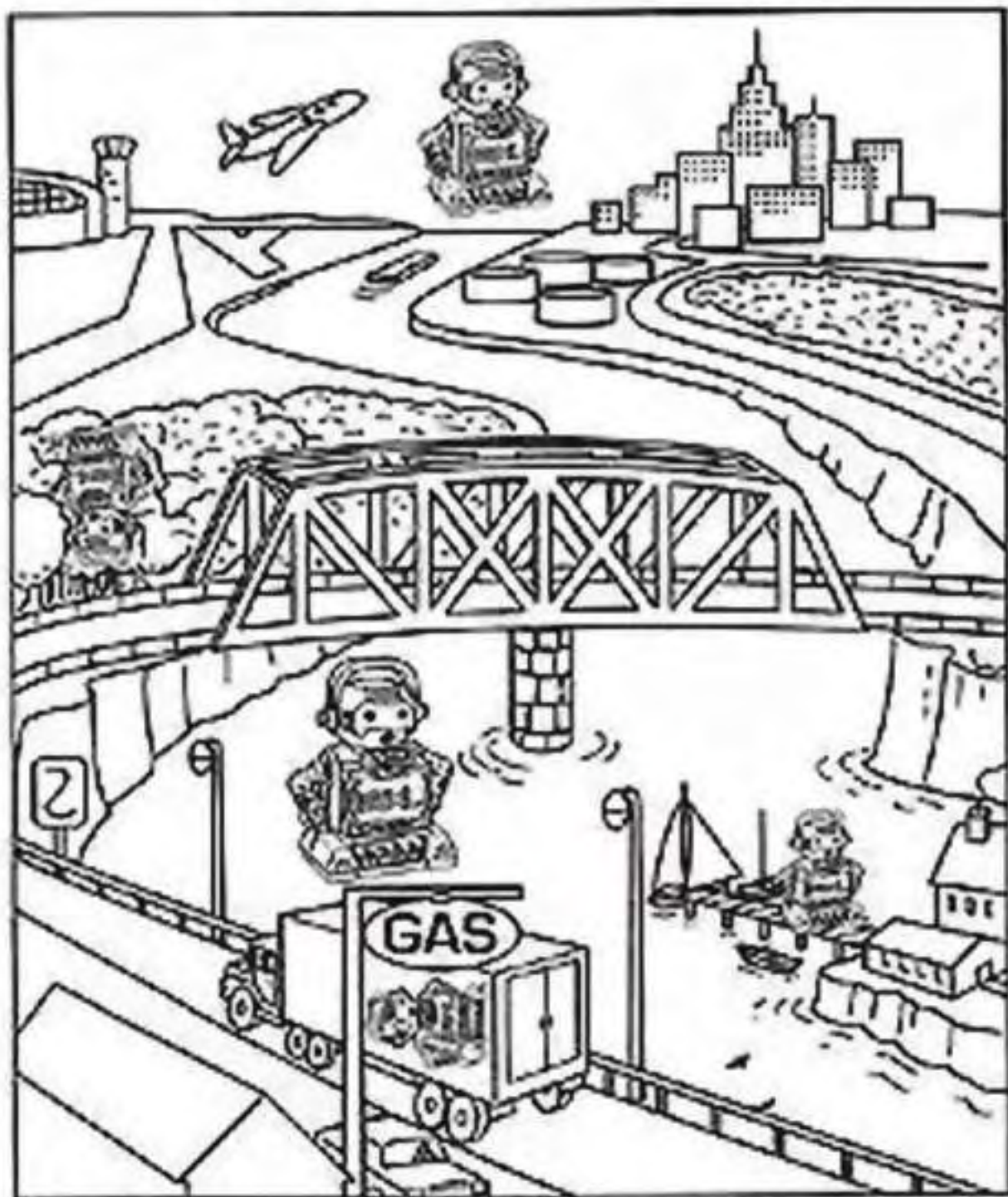
# COUNT ON IT

Use a pencil with an eraser so you can use again and again.





# PICTURE THIS



Turn 2-XL back on when you are done.

# CLOCK YOURSELF





# DIVIDED INTEREST

Pick the best method to solve the following problems:

1. Sarah had 4 puppies and she gave 2 puppies to her friend. How many does she have left?  
A) Add                      B) Multiply                      C) Subtract
2. Jason had 3 candy bars. His sister gave him 1 more. How many does he have now?  
A) Subtract                      B) Add                      C) Multiply
3. Mrs. Jones had 8 chickens. All but 3 died. How many does she have left?  
A) Multiply                      B) Add                      C) Subtract
4. Tom has 1 horse, 3 dogs, and 2 rabbits. How many animals does he have?  
A) Add                      B) Subtract                      C) Multiply
5. Joyce has three 10 cent stamps. How much are they worth?  
A) Add                      B) Subtract                      C) Multiply
6. Bob had 10 pennies, but lost 2 on his way to school. How many does he have left?  
A) Add                      B) Subtract                      C) Multiply

# ANSWER TIME

1. Ann bought 2 dozen apples. She ate all but 16 of them. How many does she now have?  
A) Add                      B) Multiply                      C) Subtract
2. Rich baked 10 blueberry muffins, 5 corn muffins and 7 lemon muffins. How many muffins did he bake?  
A) Multiply                      B) Add                      C) Subtract
3. Christy gets 2¢ for every bottle she takes back to the grocery store. If she returns 20 bottles, how much money will she make?  
A) Add                      B) Divide                      C) Multiply
4. Aunt June has 23 clocks in her house, but 7 of them do not work. How many clocks do work?  
A) Subtract                      B) Add                      C) Multiply
5. Mark has 42 baseball cards and wants to give an equal share to Jim and Sue, and wants none for himself. How many cards would each friend get?  
A) Subtract                      B) Multiply                      C) Divide
6. Zack sells lemonade for 35¢ a glass. He sold 26 glasses on Saturday. How much money did he make?  
A) Add                      B) Multiply                      C) Divide

# SEARCH-A-DIGIT

Can you find these number-words in the letters below? Be careful, the words go up and down, across, backwards, and even diagonally.

✓ ONE  
TWO  
THREE  
FOUR  
FIVE

SIX  
SEVEN  
EIGHT  
NINE  
TEN

D	T	H	R	E	E	O	N	E
F	O	U	M	E	S	F	E	N
X	E	O	I	V	N	I	T	E
N	I	N	E	I	X	I	X	V
N	G	P	I	F	T	H	P	E
W	H	S	S	T	W	O	L	S
S	T	G	H	R	U	O	F	O
T	H	E	L	L	O	S	X	L

Answers are on page 14

# SPEAK UP

1) SPEAK

2) R R  
O  
A A  
D D  
S S

3) 2thdk

4) Why was nine afraid of seven?

5) SAND

6) Why was the worm afraid of the letter B and the number 8?



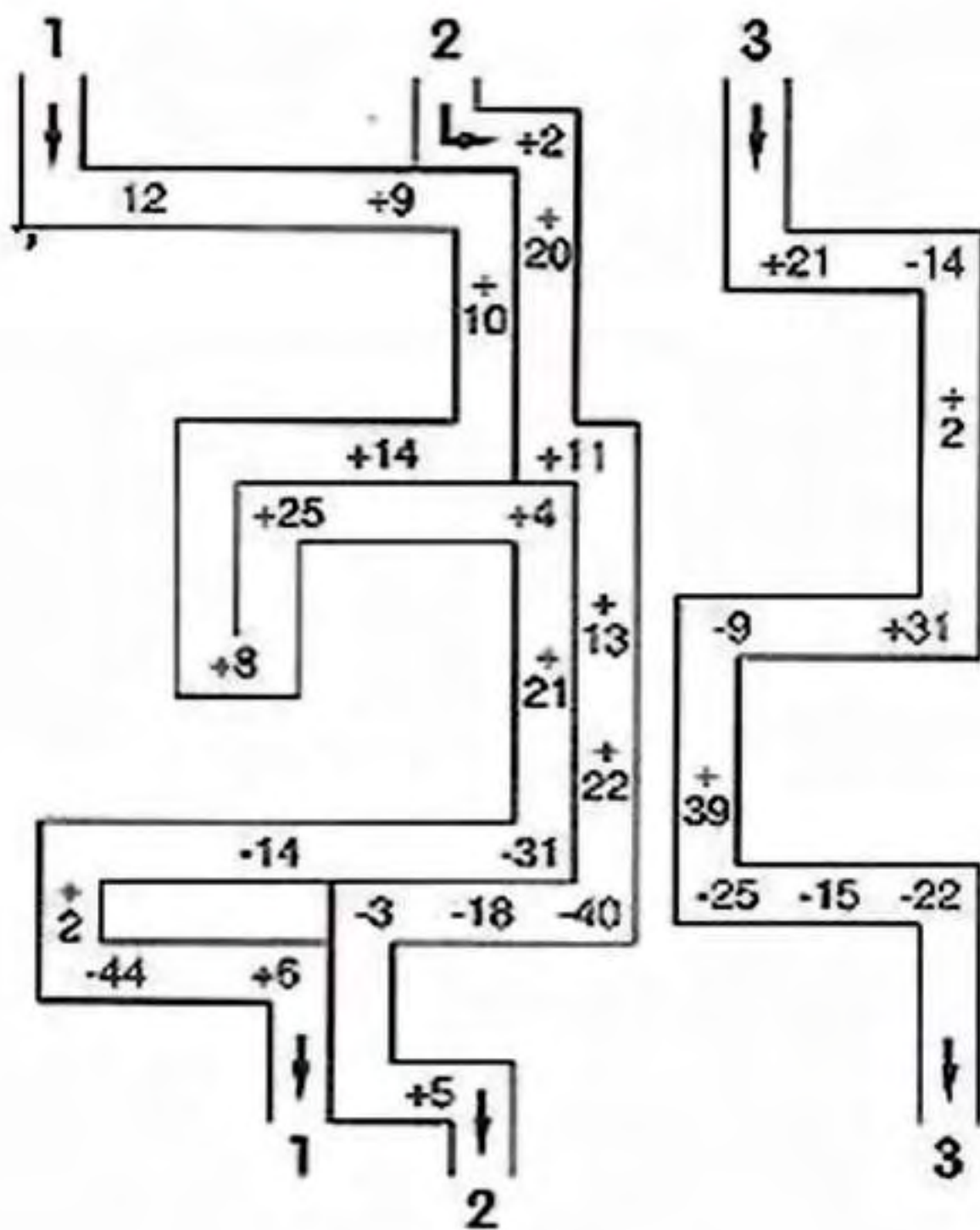
# TWO OF A KIND?

How many differences can you spot between these two pictures?



Turn 2-XL back on when you are done.

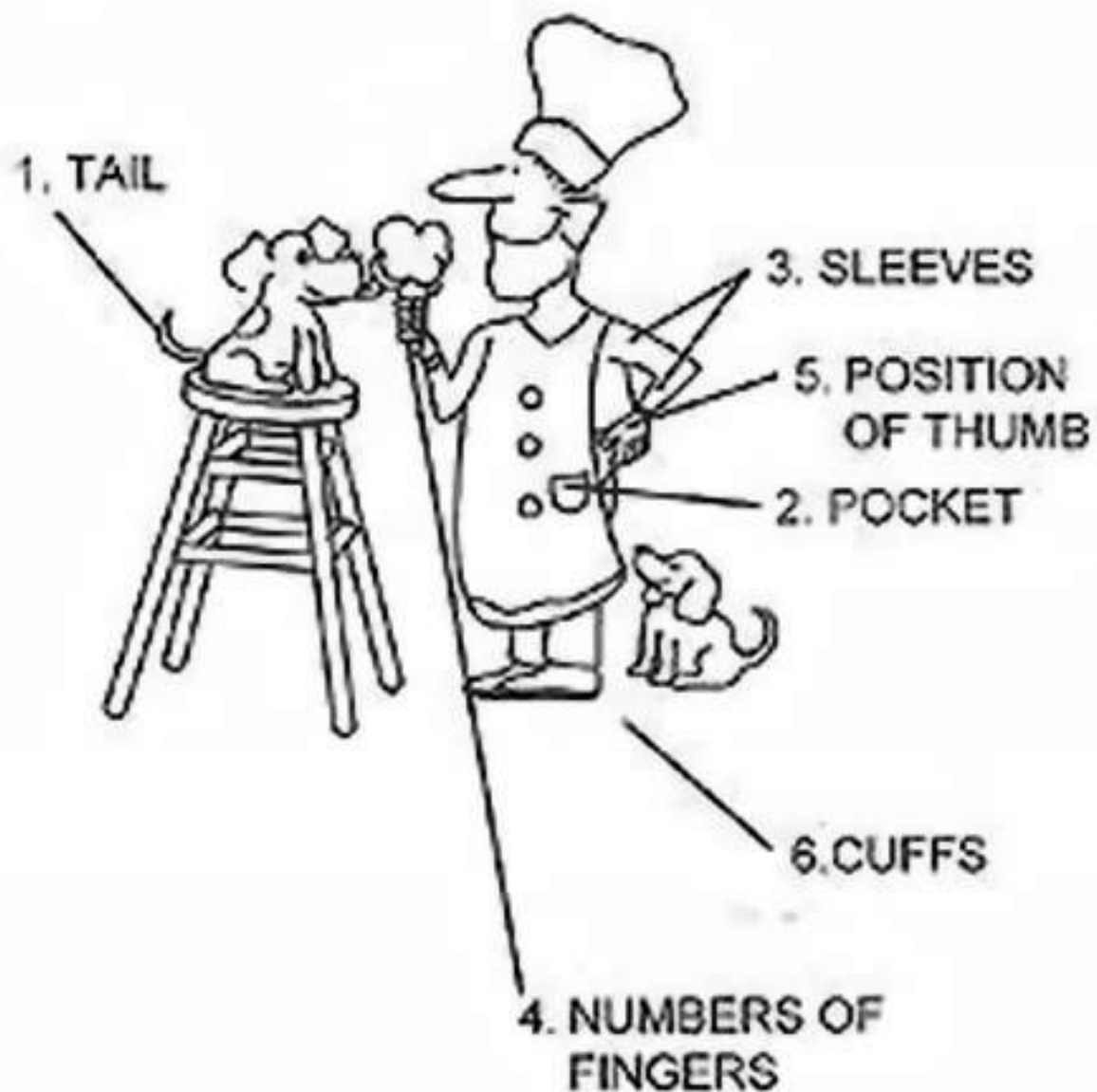
# NUMBER MAZE



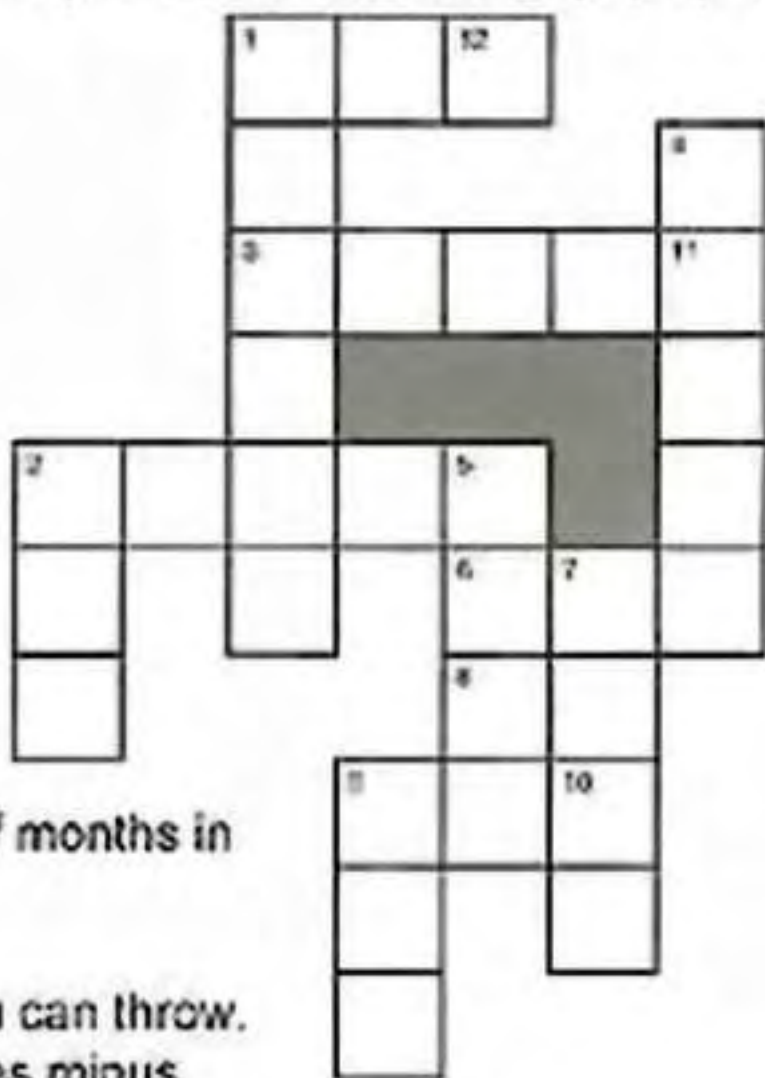




**ANSWER TO THE PICTURE PUZZLE FROM PAGE 8**



# NUMBER CROSSWORD



## DOWN

1. Number of months in a year.
2.  $10 - 4$ .
4. A rock you can throw.
5. Four apples minus four apples leaves how many?
7. Three oranges minus three oranges leaves how many?
9. Number of eyes you have.

## ACROSS

1. 1000 pounds is one.
2. Number of days in a week.
3.  $2+2+2+2$ .
6. How many people you are.
8. Opposite of Yes.
9. Number of toes you have.

Turn 2-XL back on when you are done.

# SECRET MESSAGE

Decode these Messages Using this Code

A	B	C	E	H	I	N	R	S	T
1	2	3	4	5	6	7	8	9	10

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

-----

2. 10/5/4 8/1/10 5/1/9 1 5/1/10

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3. 4/1/10 10/5/4 10/8/4/1/10

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Turn 2-XL back on when you are done.



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**ANSWERS TO SEARCH-A-DIGIT FROM PAGE 6**

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**ANSWERS TO "SPEAK UP" FROM PAGE 7**

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- |                |   |
|----------------|---|
| 1) Speak Up    | 4) Because seven ate nine               |
| 2) Crossroads  | 5) Sand box                             |
| 3) Tooth Decay | 6) Because together they make B8 (bait) |

**NUMBER FACTS**

- 1) The Largest Number is the centillion. It is a 1 followed by 600 zeros.
- 2) Any Number you times by 1 equals that Number.
- 3) Zero times any Number equals Zero.

# HISTORY OF NUMBERS

Did you ever wonder why our number system has ten basic numbers? The reason is because when people first started to count they used their fingers to do everything. They added and subtracted by holding up fingers.

This method worked for a while but as people needed to figure out more complicated problems they needed to write them down. The Egyptians were the first to write numbers and they did it in the form of pictures (called hieroglyphics). These picture numbers had little value and it was very hard to do arithmetic.

Next, the Greeks tried to invent numbers that could be used for arithmetic. This was a complicated system using combinations of letters and numbers, but arithmetic was difficult to perform.

The Romans were next to invent the system of Roman Numerals. These are still used today, but as with the previous systems, did not work too well when someone tried to do arithmetic.

Numbers used today were originally from Indian origin. It was not until this system, called the decimal system was adopted, that any progress was made. The system called the decimal system is the best in the world and makes arithmetic and other mathematical calculations possible. This is the system you use today.

# MAGIC SQUARE

Magic Squares were invented many centuries ago by the Chinese. Whether you add these numbers up, down, across, or diagonally, the answer is always 15.

4	9	2
3	5	7
8	1	6

In the Magic Square below all directions add up to 12.

3	8	1
2	4	6
7	0	5



8325

- 546

7779

7-5=2

9x3=27

13

+14

27

8-5=3

15 ÷ 3 = 5

9x3=27

10-9=1

1221  
+ 1214  
-----  
2335

9x3=27

80 ÷ 4 = 20

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20  
x  
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120