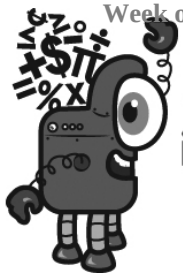
Name: _____

Mental Math



= Do it in your head!

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

A	B	C	D
imagine 9 in your head	imagine 5 in your head	imagine 6 in your head	imagine 4 in your head
add 6	add 3	add 8	add 1
double it	double it	subtract 5	add 6
			subtract 5
Write the ones digit.	Add the tens digit to the ones digit. Write the sum.	Write the number.	Write the number.
____	____	____	____

What is the sum?

A + B + C + D

____ ____

Wow! Great job! That's the answer, but do you know how to SPELL the number?

____ ____ ____ **n** ____ ____ **-** **t** **w** ____

2 before 19 _____	4 after 18 _____	6 before 11 _____
3 before 17 _____	3 after 17 _____	4 before 13 _____
9 before 18 _____	8 after 19 _____	1 before 12 _____
5 before 16 _____	5 after 16 _____	7 before 14 _____
8 before 15 _____	2 after 14 _____	7 before 11 _____

Name: _____

Amy's grandfather owns a sheep ranch in Australia. On his ranch he has 653 white sheep and only 54 black sheep. How many sheep does he have in all?

Kevin found 63 mudbugs. Is that an even number or an odd number?

Mary loves birds. She has 4 bird feeders in her yard. Her father made 3 more bird feeders for her. How many bird feeders does she have now?

Name: _____

Eric's favorite player is number 53 - 23. "What's your favorite player?" Eric asks Jack.

"My favorite player's jersey has a number that is 4 less than your favorite player," Jack replies.

What number is on the jersey of Eric and Jack's favorite players?

Anna, Emily, and Nathan are the judges for the class yo-yo contest. They will each give a score from 0 to 10 for each performance. Adam was the first to go. After the performance Mrs. Brown adds up the score. Wow! Adam got the same score from all three judges for a total of 18. What score did each judge give him?

Name: _____

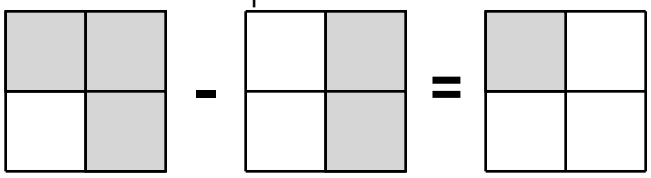
David picked three quarts of blueberries. Some of the blueberries are ripe and some are not ripe. If he takes one blueberry from the basket without looking, what are the possible outcomes?	Jack made 18 cups of popcorn. He put an equal amount in each of 6 bowls. How many cups did he put in each bowl?	Kevin has saved 3 dimes and 7 nickels to buy a notebook. What fraction of a dollar has he saved?

Read the topic. Try to make it better. The first one is done for you.

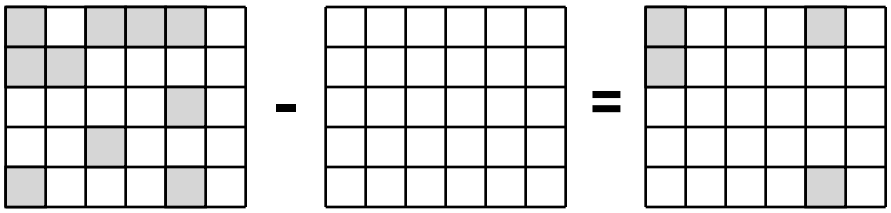
Topic: siblings

1. my little sister, Anna
2. _____

Here is an example of shade box subtraction:



Complete this shade box subtraction.



10 - ____ = 4

92 - 41 = _____

2 x 4	1 x 4
4 x 8	11 x 1

10 + ☐ = 12	6 + ☐ = 22	27 + ☐ = 38	18 + ☐ = 35

Name: _____

Fill in the boxes so each line equals 15.

15
☐ ÷ 2
16 - ☐
☐ x 3
(1 + ☐) + ☐
11 + ☐ x ☐

- ○ comfort
- ○ camfort
- ○ comfart
- ○ comfor

- ○ chehk
- ○ chahk
- ○ check
- ○ chec

$$\begin{array}{r} 68 \\ -\ 12 \\ \hline \end{array}$$

Fill in the blanks with these numbers:
5, 4, 3

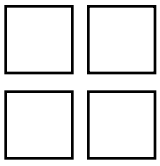
$$\begin{array}{rrr} 1 & \square & 0 \\ +\ 5 & \square & \square \\ \hline 6 & 7 & 5 \end{array}$$

Fill in the blanks with these numbers:
7, 1, 0

$$\begin{array}{rrr} \square & 7 & 4 \\ +\ 4 & \square & 1 \\ \hline 5 & \square & 5 \end{array}$$

$$\begin{array}{r} 18 \\ +\ 62 \\ \hline \end{array}$$

Color in $\frac{1}{2}$.



$$\begin{array}{r} 25 \\ +\ 87 \\ \hline \end{array}$$

96 - 71 = _____

12 + ☐ = 29

$$\begin{array}{r} 20 \\ 21 \\ +\ 16 \\ \hline \end{array} \qquad \begin{array}{r} 22 \\ 30 \\ +\ 45 \\ \hline \end{array}$$

Count by 60s.

738 _____ 858 _____

8 x 4 = _____

7 + ☐ = 18 7 + ☐ = 37 13 + ☐ = 38 20 + ☐ = 29

Name: _____

53 + 78 = _____

$$\begin{array}{r} 44 \\ +\ 51 \\ \hline \end{array}$$

You ask Amy for the time. She says it is four minutes past two. Write the time on your digital clock:

:

Write the final part of each math analogy.

3 + 3 + 3 + 3 + 3 : 3 x 5 :: 9 + 9 + 9 + 9 + 9 + 9 :

Explain why you think your answer is correct.

41 ____ 43 : 42 :: 88 ____ 90 :

Explain why you think your answer is correct.

$$\begin{array}{r} 72 \\ -\ 53 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ -\ 78 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -\ 35 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ -\ 71 \\ \hline \end{array}$$

- ○ almos
- ○ almast
- ○ almost
- ○ ulmist

$$\begin{array}{r} 7 \\ \times\ 6 \\ \hline \end{array}$$

24 + 83 = _____

24 + ☐ = 35

$5\overline{)40}$ $3\overline{)9}$

64 - 46 = _____

14 + ☐ = 26

Color in $\frac{2}{3}$ of the rectangle.

$3\overline{)15}$

word root **cede** can mean **go or yield** **accede, secede**

Name: _____

1,007 - 886	283 + 833	285 - 120	542 + 186	1,108 - 668
370 + 184	1,285 - 895	1,347 - 434	868 + 183	906 + 288
1,624 - 767	297 + 812	1,041 - 671	1,763 - 798	337 + 212
858 + 968	639 + 676	1,045 - 383	404 + 916	978 + 491
1,017 - 284	1,201 - 835	902 - 578	194 + 923	887 - 600
1,042 - 430	716 + 778	220 + 913	510 - 385	736 + 357
1,483 - 617	947 - 104	762 + 693	304 + 241	1,158 - 546

5
+ 7
□

+ 7
□

+ 7
26

+ □
35

+ □
44

- □
37

- □
33

+ 9
□

+ 4
46

- □
37

- 3
□

Name: _____

Find 2 equations hidden in each box. Good luck!

32 4 + 3 56 64

3 + 1 21 3 x 1 17

3

7 x 7 18 9 + 6 49

Write 2 equations: _____ _____

9 8 x 6 12 14 5 + 1

20

7 + 9 18 5 x 2

7 x 7 9 + 3 6 + 3

11 1 56

Write 2 equations: _____ _____

9 x 2 45 72

10

5 x 4

9 7 1 x 5

7 x 1 5 9 + 8

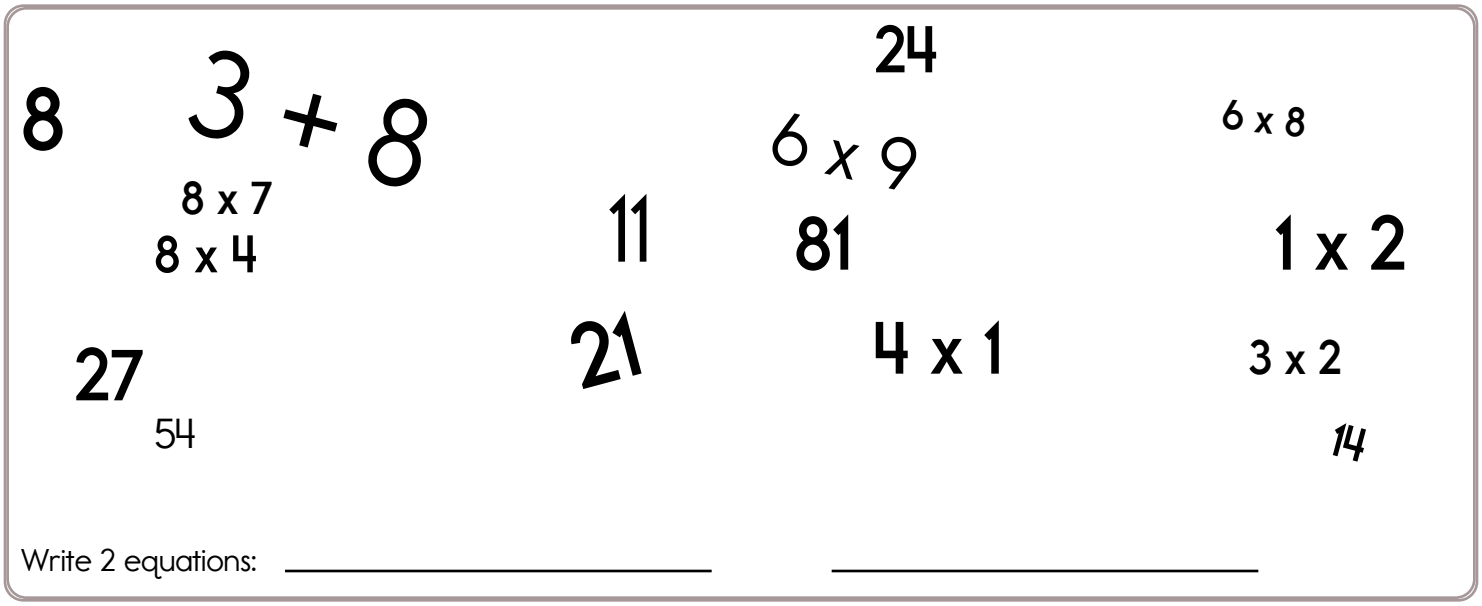
8 x 6 3 x 1 16

7 x 9

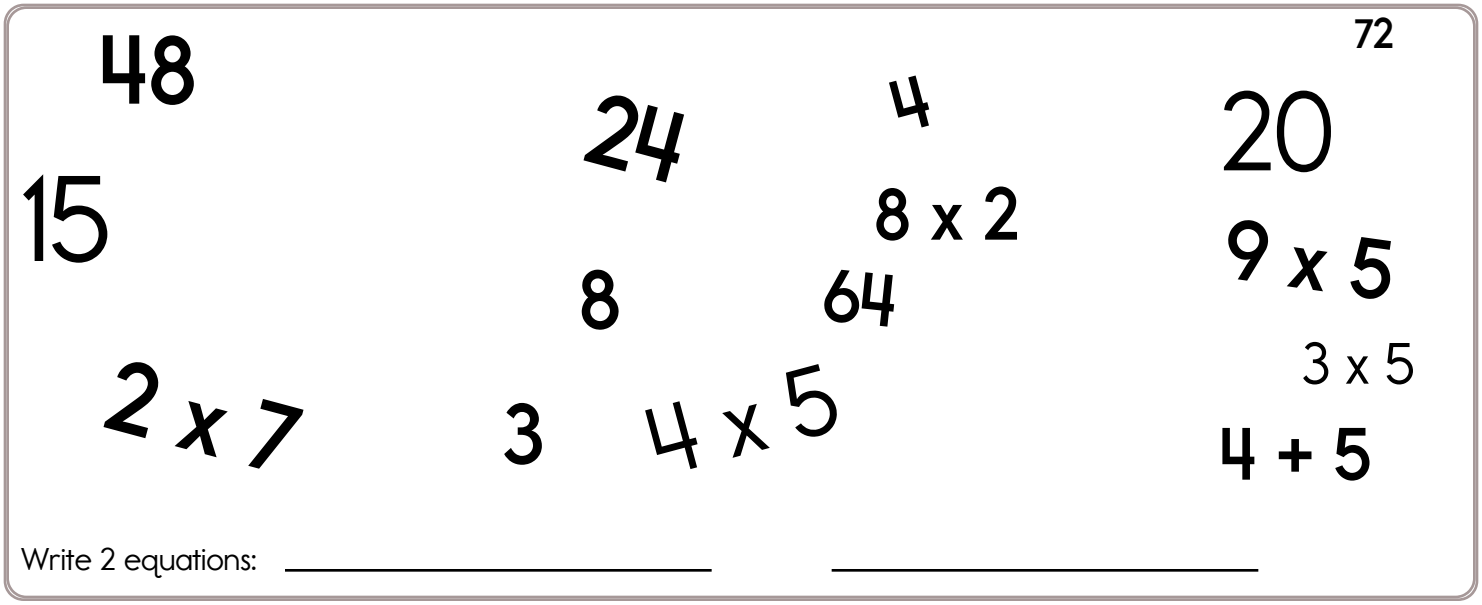
Write 2 equations: _____ _____

Name: _____

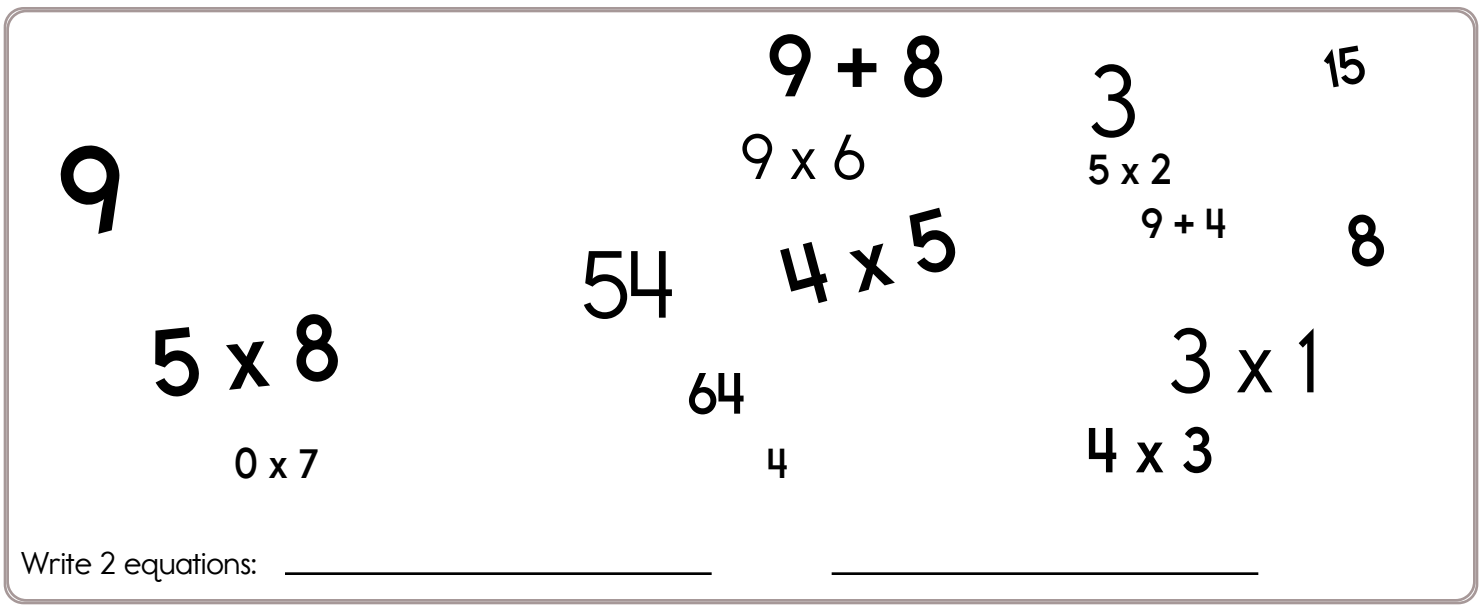
Find 2 equations hidden in each box. Good luck!



Write 2 equations: _____ _____

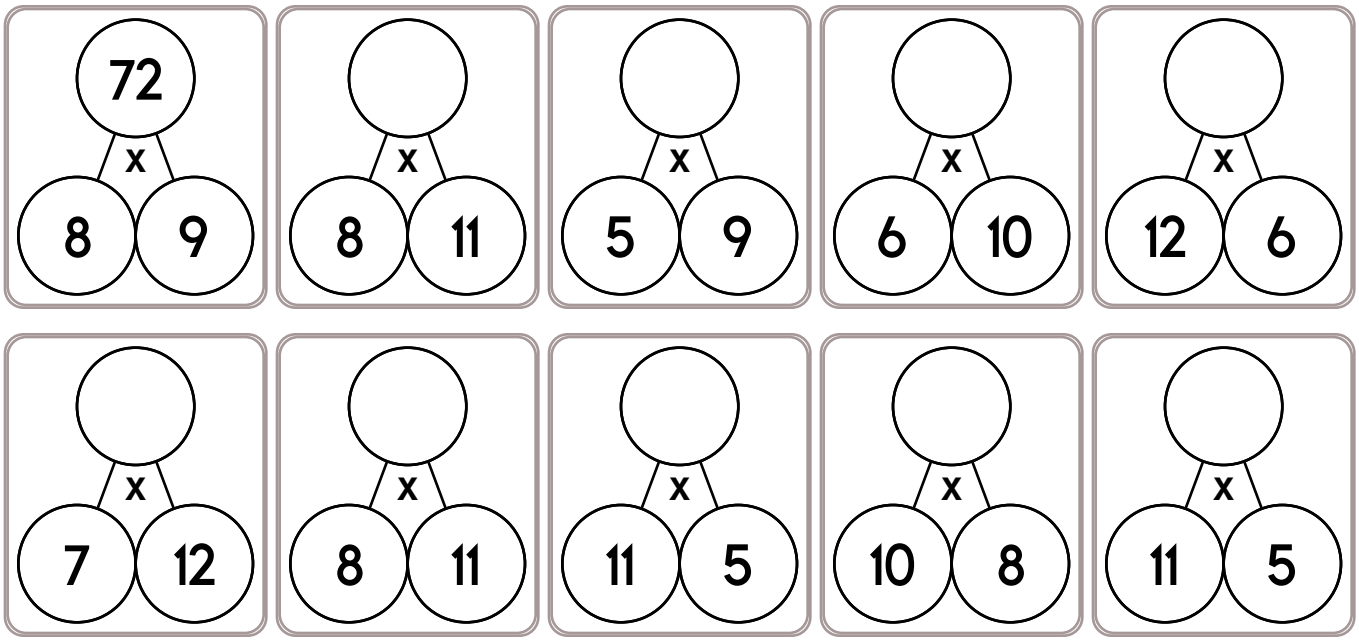


Write 2 equations: _____ _____



Write 2 equations: _____ _____

Name: _____



13, 15, _____, 19, 21, 23, 25

Write an odd number.

If you know
76 + 25 = 101
Then what is 76 + 24?

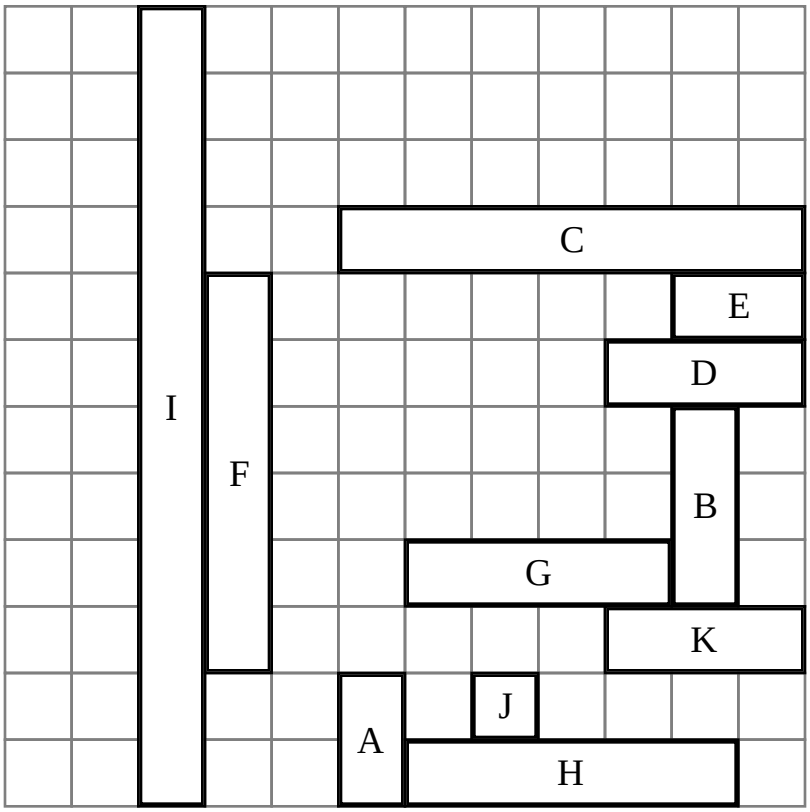
Emily gave each of the 14 students in her class an equal number of fidget spinners. She gave out 42 of them. How many did each student get?

Pam has a bowl. She puts 5 quarters into the bowl. Nathan sees the bowl and takes some quarters out. The bowl now has 75 cents in it. How many quarters did Nathan take?

$$\begin{array}{r} 477 \\ +\ \square 44 \\ \hline \end{array}$$

4 + ☐ = 13 10 + ☐ = 32 9 + ☐ = 39 17 + ☐ = 35

Name: _____



Rectangle _____ is same length as rectangle K

Add _____ units to rectangle D to make it as long as rectangle F

Rectangle E is _____ units long.

Rectangle A is shorter than rectangle _____

Subtract _____ units from rectangle I to make it as long as rectangle J

Rectangle _____ is 2 units longer than rectangle B

Rectangle K is _____ unit shorter than rectangle G

Rectangle _____ is 6 units shorter than rectangle I

Rectangle _____ is the longest rectangle.

Rectangle E is _____ unit longer than rectangle J

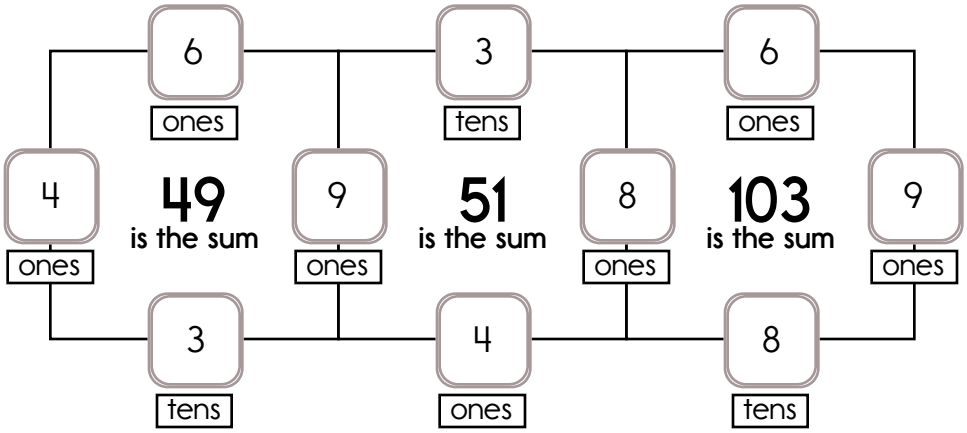
Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

Example:
4 + 9 + 6 + 30 = 49

Example:
8 + 9 + 6 + 80 = 103

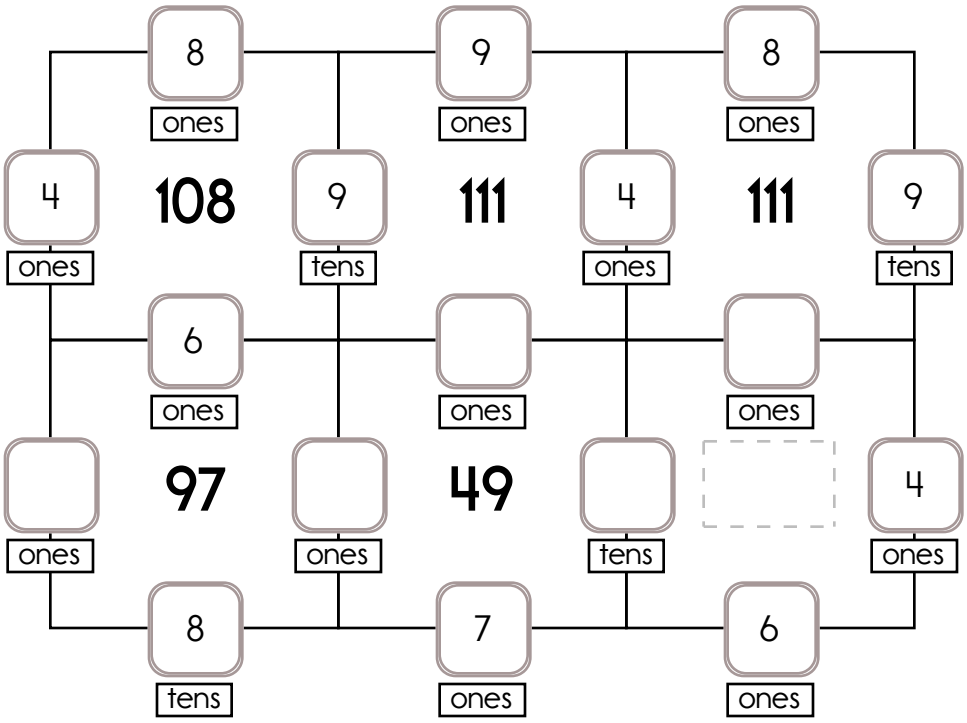
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: 3 tens, 8 tens, or 9 tens.

The other three numbers have to all be DIFFERENT and must be from these: 8 ones, 6 ones, 9 ones, 7 ones, or 4 ones.



Circle the abstract noun.

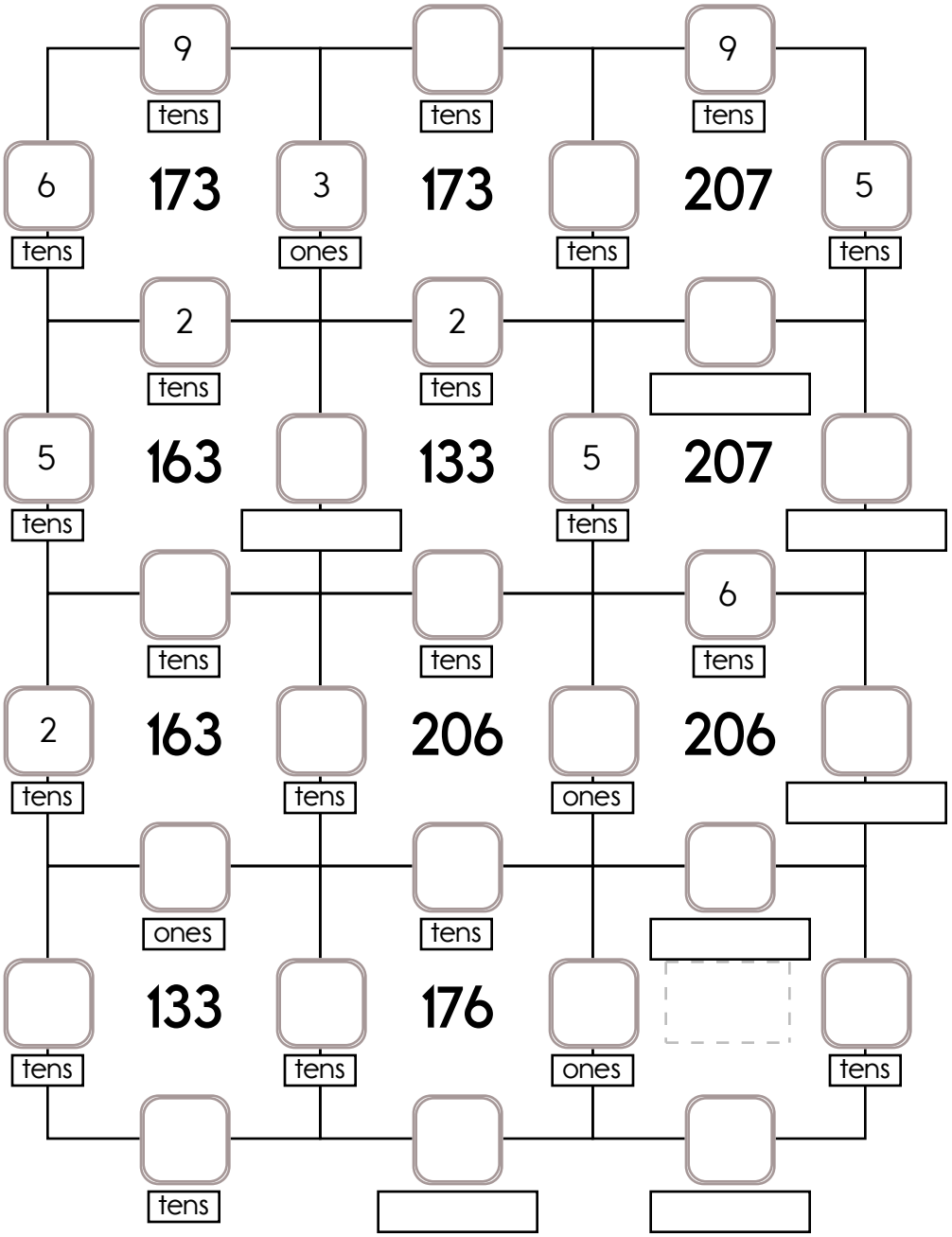
confusion brain earring hair

Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: 6 ones, 7 ones, or 3 ones.

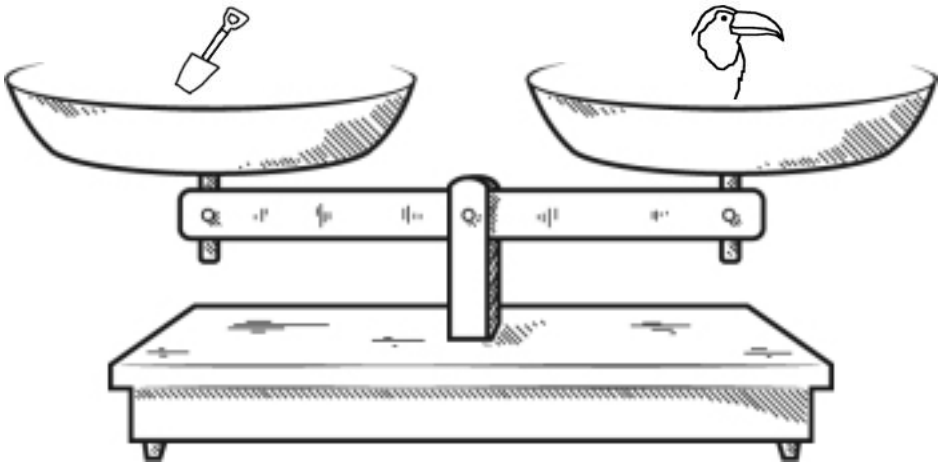
The other three numbers have to all be DIFFERENT and must be from these: 2 tens, 6 tens, 9 tens, or 5 tens.



49 - 47 =

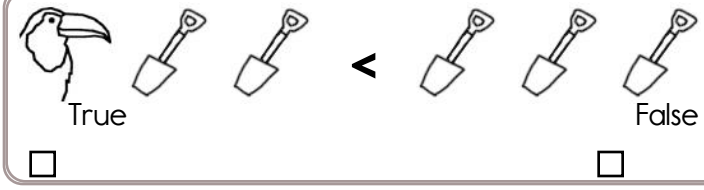
10 x 2 =

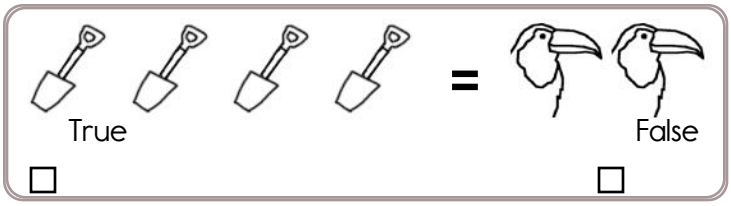
Name: _____

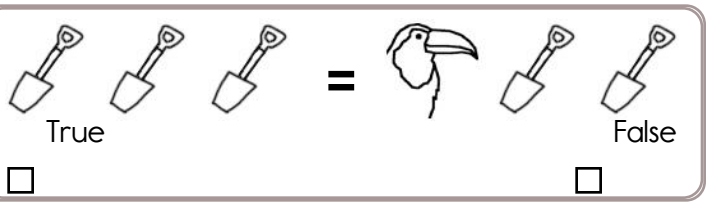


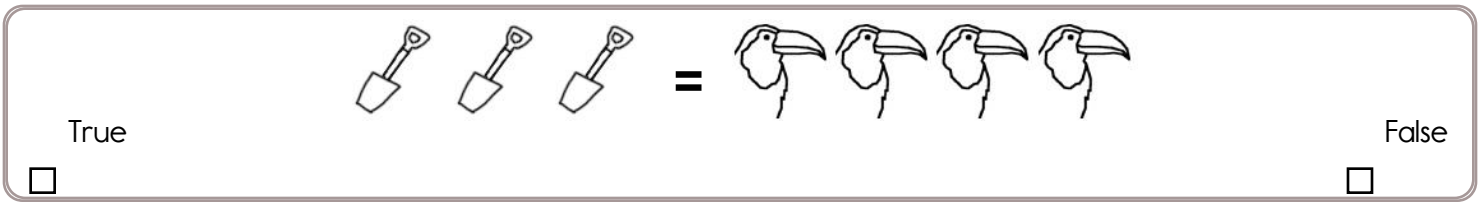
Look at the balance. What does it tell you? Write a sentence to explain.

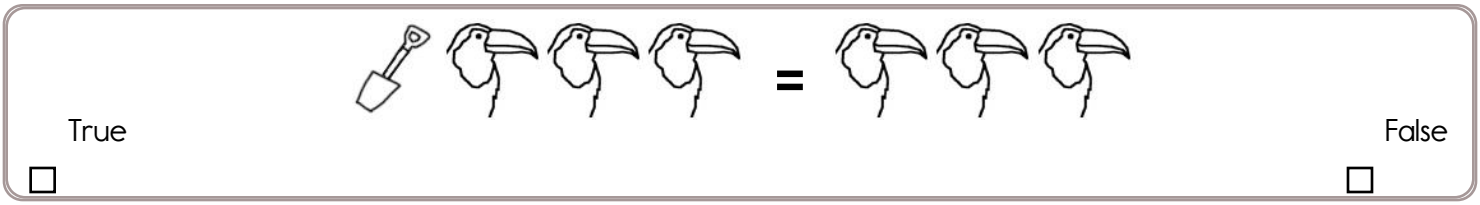
_____











Did you find that one is true? If not, look again!

You should only mark TRUE if you are absolutely sure it is correct!

Write an even number with a six in the hundreds place.

_____

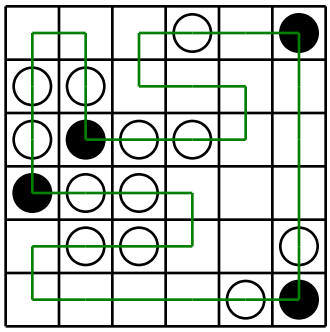
6 x 1 = _____

Name: _____

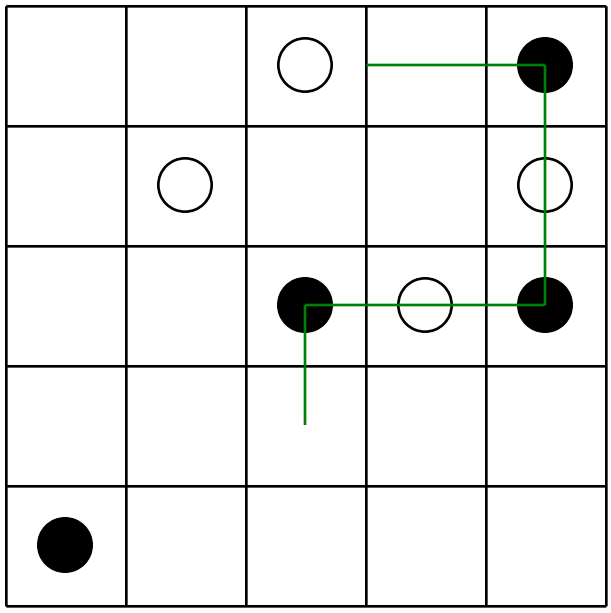
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The first puzzle shows a correct line going through all the circles.

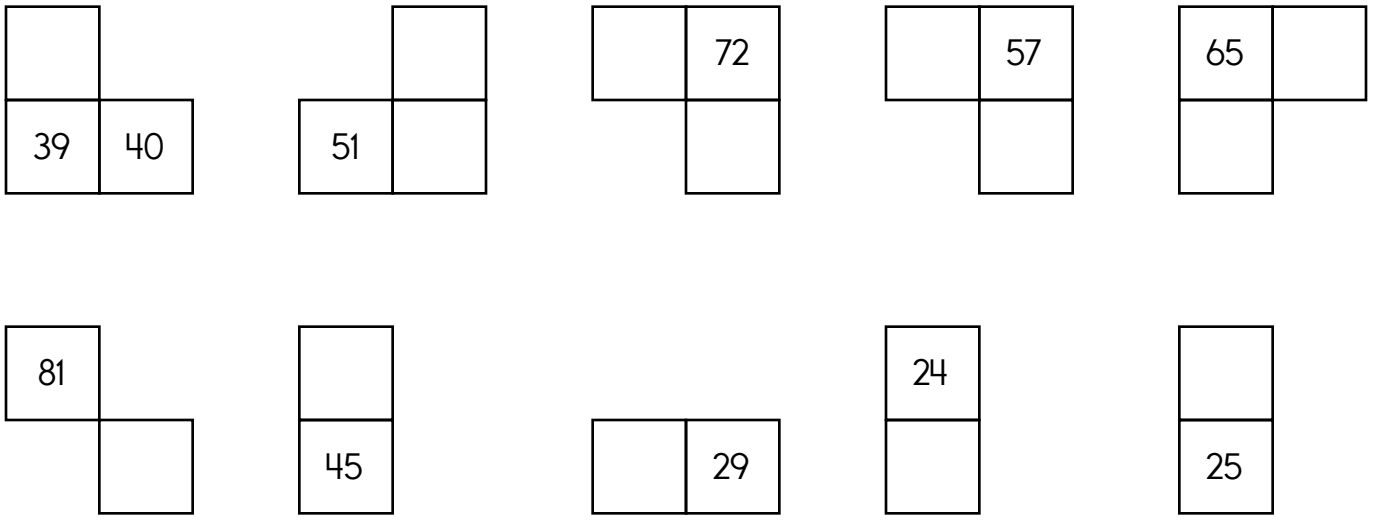
Example:



Finish the line:



Fill in the numbers.



38 + 14 = _____

Add one hundred to 9,237.

_____

11 + ☐ = 28

5 + 6 = ☐ 10 - 9 = ☐ 1 x 6 = ☐ 6 + 9 = ☐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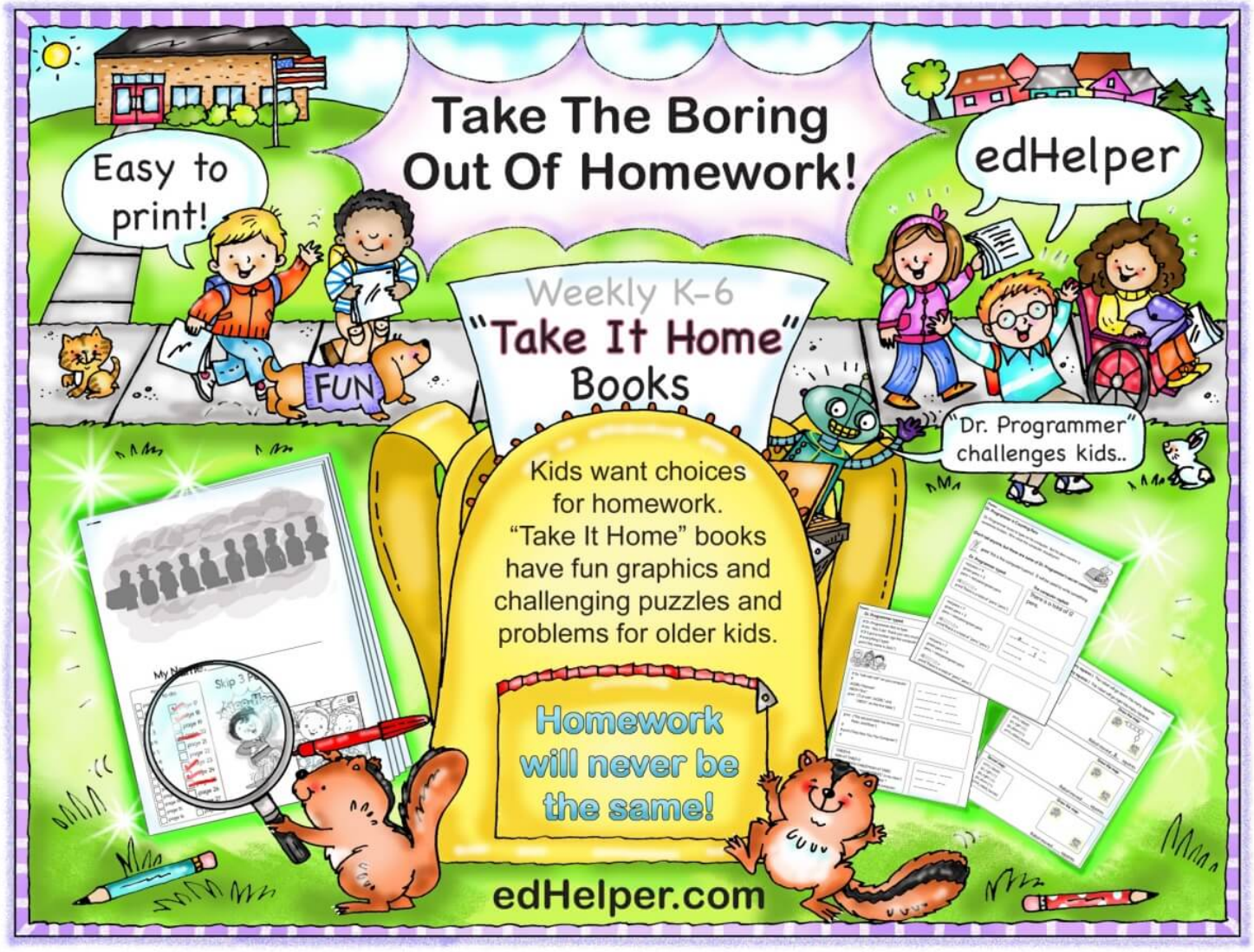
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