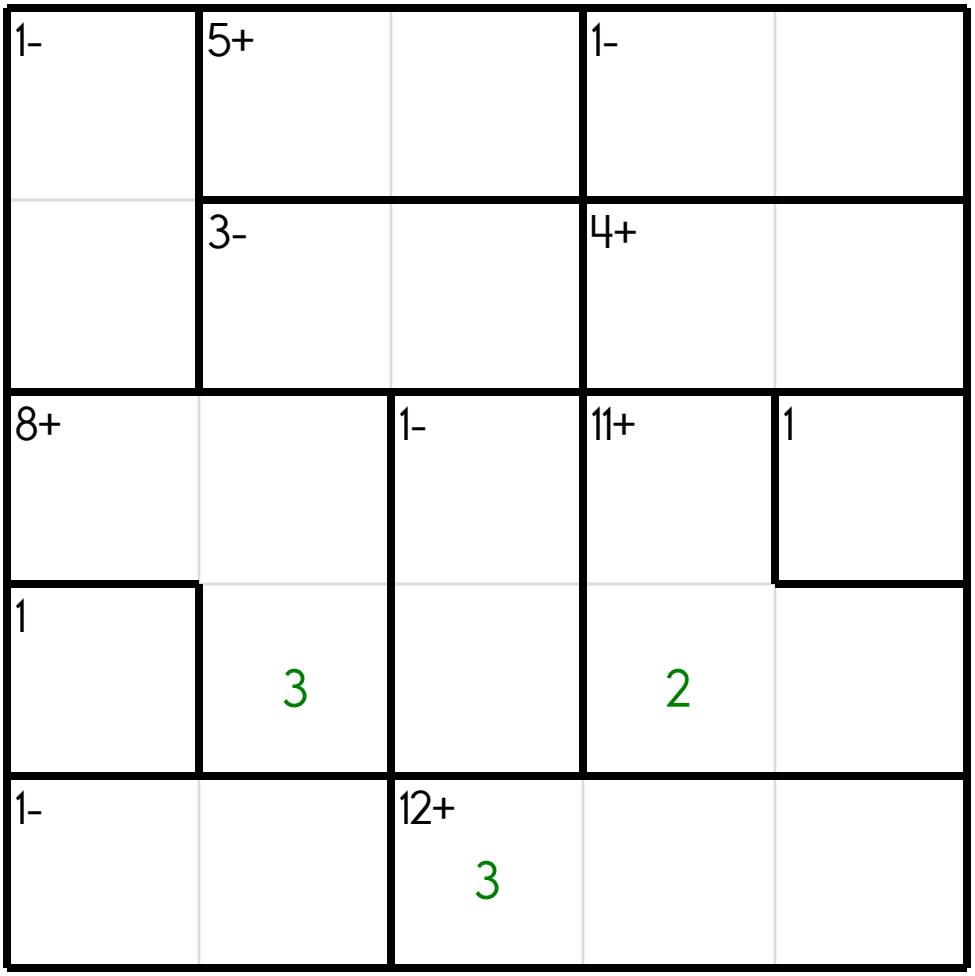
Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 5.
Every row must contain the numbers 1, 2, 3, 4, and 5.
Every column must contain the numbers 1, 2, 3, 4, and 5.
In a cage with a plus sign, the given number will be the sum of all the digits in the cage.
In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.



Fill in the blanks. These equations are from the puzzle above.

2 - ____ = 1

____ - 4 = 1

5 - ____ = 3

3 - ____ = 1

3 + ____ + ____ = 12

____ + 1 = 5

____ + 3 = 4

____ + ____ + 3 = 8

Name: _____

Cross off the number that does NOT belong.

$3\frac{15}{25}$, $3\frac{10}{25}$, $3\frac{5}{25}$, 3, $2\frac{20}{25}$, $2\frac{15}{25}$, $2\frac{10}{25}$, $2\frac{5}{25}$, 2,

$1\frac{20}{25}$, $1\frac{15}{25}$, $1\frac{13}{25}$, $1\frac{10}{25}$, $1\frac{5}{25}$, 1, $\frac{20}{25}$, $\frac{15}{25}$, $\frac{10}{25}$

Why does _____ not belong in the pattern?

Subtract $\frac{1}{5}$

Cross off the number that does NOT belong. Hint: Look for alternating sequences. Every third number is the greatest common factor.

3, 17, 2, 1, 6, 25, 1, 9, 33, 3, 12,

41, 1, 15, 49, 1, 18, 57, 3, 21, 65

Why does _____ not belong in the pattern?

Name: _____

508,588 - 266,028	9,048 - 3,725	80,616 - 42,019
941 + 39	8,617 - 250	825 + 44
36,917 - 8,766	313,063 - 5,672	Find the difference between 857 and 392.
$8\overline{)72}$ Divide and write remainder.	Find the product of 91 and 81.	257 639 + 5,943
101 - 45	88,902 - 31,755	8,893 - 1,167

Name: _____

Connor decided to write a letter to his favorite uncle on Blah Buster Day. He wrote the letter on his computer and printed it on bright blue paper. It took him 37 minutes to write the letter. If he started writing it at 10:35 a.m., what time did he finish the letter?

Mr. Martinez is trying the latest fad diet. He has to choose one food from each of three lists. There are six vegetables on the first list, three meats on the second list, and five fruits on the third list. How many different combinations of foods are there?

The Limerick Day assembly will begin at 2:00 p.m. Jenna has only $\frac{1}{2}$ hours left to finish her work before the assembly begins. What time is it now?

Look at these awful spellings. Someone cannot spell! Write the correct spelling for each misspelled word.

kompuhkayt	compicate	complicati	_____
woden	woodin	waduhn	_____
sih	segh	siigh	_____
printerr	printor	prihnur	_____
refle	rifl	rifli	_____

If the average marshmallow weighs 0.12 ounces, how much will a bag of 56 marshmallows weigh? Don't forget to include 2.3 ounces for the weight of the bag.

4 x 5 =

$$\begin{array}{r} 5\ 3 \\ -\ 4\ 3 \\ \hline \end{array}$$

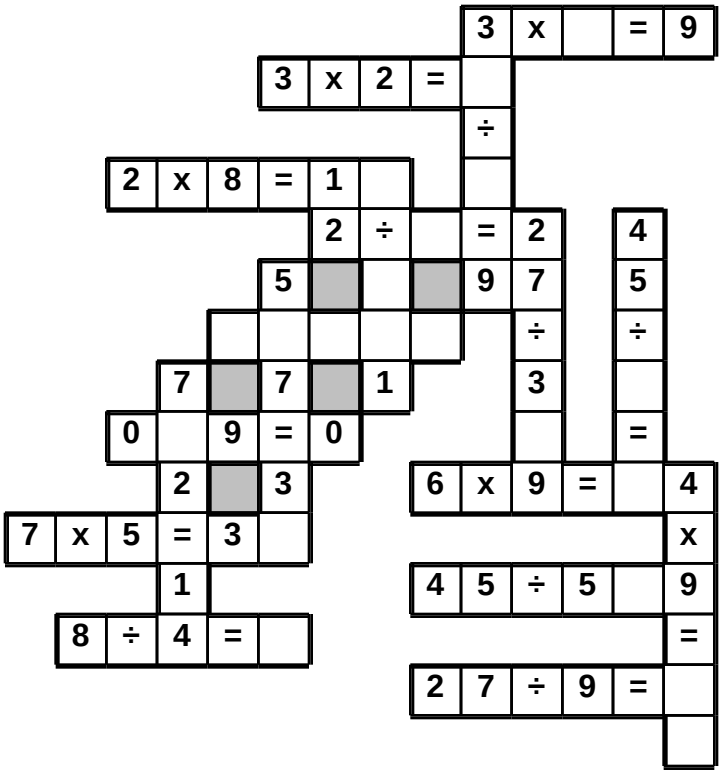
Jenna rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being seven?

word root **val** can mean **worth** **valiant, valuable**

Name: _____

3 • 6 • 6 • 4 • 1 • 6 • 8 • x • 0 • = • 0 • 9 • x • = • 5 • 5 = • 2 • 3 • 6

Use the pieces above to help you fill in the runaway math puzzle.



Sarah rolls a die. What is the chance of her rolling a 4?

_____

22 ÷ 11 = _____

8 kg = _____ g

$$\begin{array}{r} 457 \\ +\ 424 \\ \hline \end{array}$$

Rewrite these in increasing order of length:

966 mm, 581 dm, 363 m

12 x 5 = _____

155 + 239 = _____

1 km = 1,000 m

18 km = _____ m

Name: _____

77 ÷ 7 =

10 x 3 =

Holly took three numbers greater than 1 and multiplied them. One number was six and the other number was twelve. Of course, she forgot the last number, but she remembered the product was 936. Is this possible?

11 x 10 = _____

Write an equation to represent this:

The difference between twenty and seven is thirteen.

_____

The letters E and X each have a line of symmetry. Name another letter between E and X that has a line of symmetry.

_____

How many yards are in 6 feet?

_____ yards

Three books cost $9. At that rate, what is the cost of 12 books?

36 ÷ 3 = _____

$$\begin{array}{r} 875 \\ -\ 821 \\ \hline \end{array}$$

77 ÷ 11 =

$$\begin{array}{r} 28 \\ +\ 33 \\ \hline \end{array}$$

818 - 266 = _____

56 ÷ 7 = _____

9 x 2 = _____

Can 592 be evenly divided by 9? Circle:

592 is NOT evenly divisible by 9

592 is evenly divisible by 9

Here is a pattern of letters:

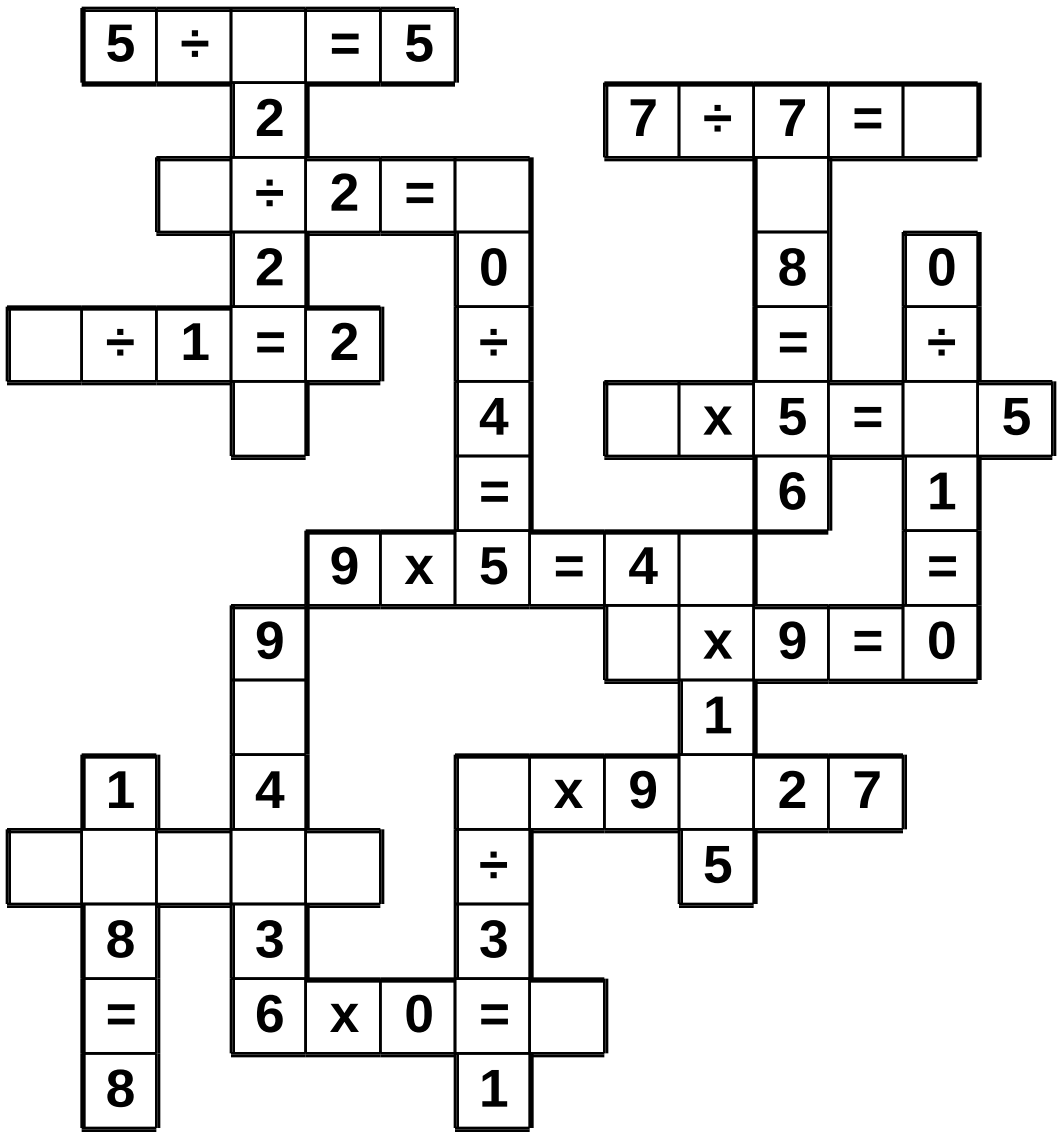
K A A K K A A K K A A . . .

What letter will be the 31th term in the pattern?

Name: _____

1 • 1 • 4 • 2 • x • 2 • 6 • 3 • 1 • 5 • 0 • x • 3 • = • 0 • x • 8 = • 0 • 0

Use the pieces above to help you fill in the runaway math puzzle.



7 x 5 =

How many dimes make $1.10?

22 ÷ 11 = _____

Name: _____

Gavin wanted to grow some peanuts of his own. His garden was 12 feet wide and 14 feet long. If he can put 4 peanut plants on one square foot, how many peanut plants can he grow if he uses his whole garden for peanuts?

The artist used 180 ml of red paint on the huge canvas. What fraction of a liter did he use?

Hunter built thirteen birdhouses to sell at the Winter Carnival. Each birdhouse cost $5.44 for materials. If he sold the birdhouses for $11.16 each and sold all thirteen of them, how much money did he make?

The Merry Mart had a candy sale on Candy Day. The store sold the candy for 25% off the regular price. The regular price of a box of Mellow Mints was $3.76. How much did the box of mints cost on Candy Day?

In the number 25,769,337,990, the digit 0 is in what place?

_____

Fill in the missing operations to complete this equation:

20 ____ 5 ____ 28 = 32

857 - 844 = _____

Circle the greatest number:

791,804,562,320

183,594,676

784,920

15,324,579

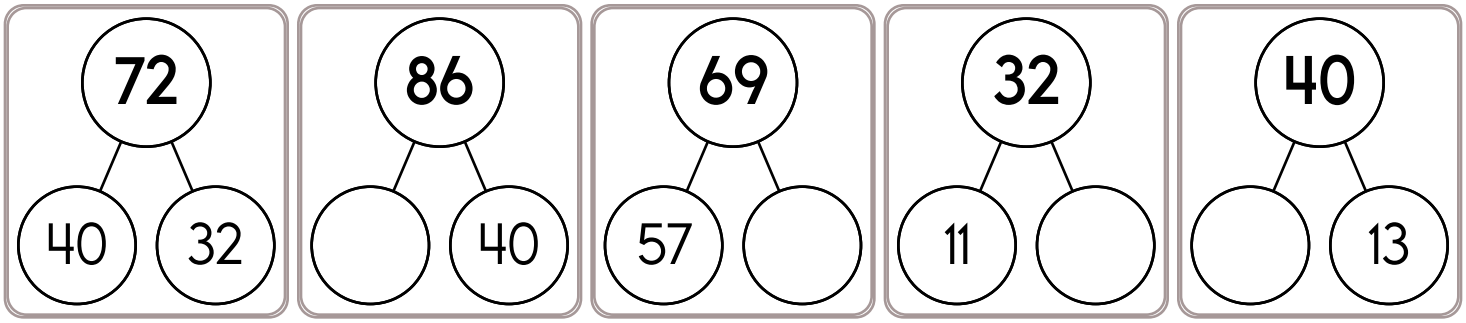
word root **liber** can mean **free** **liberty, liberate**

Name: _____

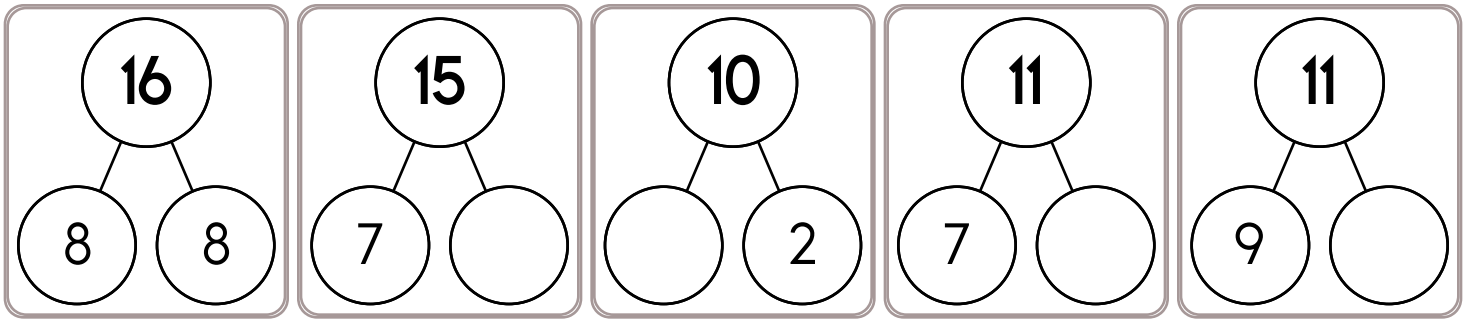
Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

5 + 3 = _____	3 + 7 = _____	5 + 5 = _____	4 + 9 = _____	7 + 5 = _____
7 + 8 = _____	8 + 5 = _____	8 + 3 = _____	3 + 8 = _____	6 + 8 = _____
6 + 3 = _____	4 + 5 = _____	6 + 6 = _____	9 + 8 = _____	7 + 7 = _____
7 + 9 = _____	8 + 4 = _____	4 + 6 = _____	7 + 3 = _____	3 + 3 = _____
6 + 4 = _____	5 + 2 = _____	4 + 8 = _____	3 + 5 = _____	6 + 7 = _____



44 + 4 = _____	78 + 5 = _____	57 + 6 = _____	38 + 8 = _____	67 + 9 = _____
13 + 7 = _____	24 + 7 = _____	59 + 9 = _____	64 + 9 = _____	17 + 8 = _____
29 + 4 = _____	74 + 8 = _____	47 + 3 = _____	33 + 9 = _____	19 + 5 = _____



37 + 6 = _____	13 + 8 = _____	77 + 3 = _____	22 + 9 = _____	45 + 7 = _____
56 + 9 = _____	69 + 8 = _____	33 + 7 = _____	23 + 5 = _____	18 + 9 = _____
47 + 5 = _____	74 + 6 = _____	53 + 7 = _____	67 + 9 = _____	67 + 4 = _____
28 + 3 = _____	77 + 3 = _____	16 + 5 = _____	55 + 3 = _____	43 + 8 = _____

Name: _____

Rewrite 13 - 6

___ + ___ = ___

2 - 4 - 1 =

Rewrite 8 + -4

___ - ___ = ___

15 + -8 = ___

15 - 8 = ___

Rewrite 8 + -1

___ - ___ = ___

On a number line, what is the number that is 8 to the left of 5?

What is the number that is 7 less than 1?

Rewrite 15 - 8

___ + ___ = ___

10 - 7 = ___

10 + -7 = ___

6 - 8 =

Rewrite 9 + -1

___ - ___ = ___

What is the number that is 5 less than 4?

6 - 12 =

On a number line, what is the number that is 6 to the left of 4?

Rewrite 19 + -14

___ - ___ = ___

Name: _____

0.08 x 7	50.6 x 4	30.05 x 8	7.6 x 5
8.33 x 3	6.78 x 9	2.37 x 6	8.46 x 8
8.42 x 9	4.37 x 6	3.64 x 4	4.22 x 7

Which is the better buy? Seven bags of candy for $28 or four bags of candy for $20?	132 ÷ 12 = _____	120 ÷ 12 =
	54 ÷ 6 = _____	

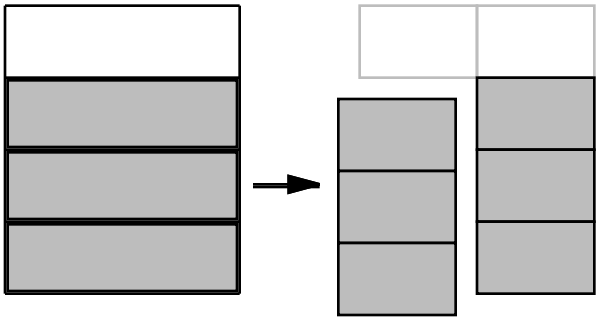
28,555 - 12,177 = _____	3 x 5 = _____	66 ÷ 11 = _____

Name: _____

$\frac{1}{2}$ of $\frac{3}{4}$ = $\frac{\square}{\square}$ x $\frac{\square}{\square}$

= $\frac{\square}{\square}$

Draw it.



$\frac{1}{4}$ of $\frac{1}{6}$ = $\frac{\square}{\square}$ x $\frac{\square}{\square}$

= $\frac{\square}{\square}$

Draw it.

$\frac{1}{6}$ of $\frac{2}{5}$ = $\frac{\square}{\square}$ x $\frac{\square}{\square}$

= $\frac{\square}{\square}$

Draw it.

$\frac{1}{2}$ of $\frac{1}{5}$ = $\frac{\square}{\square}$ x $\frac{\square}{\square}$

= $\frac{\square}{\square}$

Draw it.

Name: _____

Can you figure out the value of the letter?

$8d + 9 = 41$

first subtract 9 from both sides

then divide each side by 8

$$\mathbf{8d + 9 - 9 = 41 - 9}$$

$$\mathbf{8d = 32}$$

$$8d \div 8 = 32 \div 8$$

$$d = \mathbf{4}$$

Double check: $(8 \times \mathbf{4}) + 9 = 41$

$8a + 6 = 38$

$a =$ ___

Double check: $(8 \times$ ___$) + 6 = 38$

$6b - 18 = 0$

$b =$ ___

Double check: $(6 \times$ ___$) - 18 = 0$

$9g - 11 = 52$

$g =$ ___

Double check: $(9 \times$ ___$) - 11 = 52$

$8h + 4 = 76$

$h =$ ___

Double check: $(8 \times$ ___$) + 4 = 76$

$3k - 17 = 1$

$k =$ ___

Double check: $(3 \times$ ___$) - 17 = 1$

Name: _____

Can you guess the word?

No duplicate letters can be used.

S	H	O	R	E

The letter S is in the word and is in the correct spot.

S	H	A	P	E

The letter H is in the word, but H is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

Y	I	E	L	D
D	R	O	V	E
J	U	D	G	E

A B C F H K M N P Q S T W X Z

Let's check if you guessed correctly. Look across or down to find the correct answer.

GO E E F E F D K V D D M K E E O M U
G N J G G R G J G U R D J F E E D O E
O D E E U E X C G E O G G B T C G B D
G J E A A B E R U O V U G E H G E G H
G G E G D B A D G E E T J U D G E M D
K N E E O D G D J R G W U G Q G H G E

Hint: There are no duplicate letters in the answer.

M	U	N	C	H
N	O	B	L	E
S	N	A	I	L

D F G J K P Q R T V W X Y Z

Let's check if you guessed correctly. Look diagonally to find the correct answer. (DIAGONAL!)

C C E I L L L A N L I A S A O
S N I S D N S L O T N A L L G
O N A R L A A L F L S O Z P M
L N A T N A A I A E L L B N S
T C I I B H W S A N W O N L I
S A L O L N A B A S T A G K E

Hint: There are no duplicate letters in the answer.

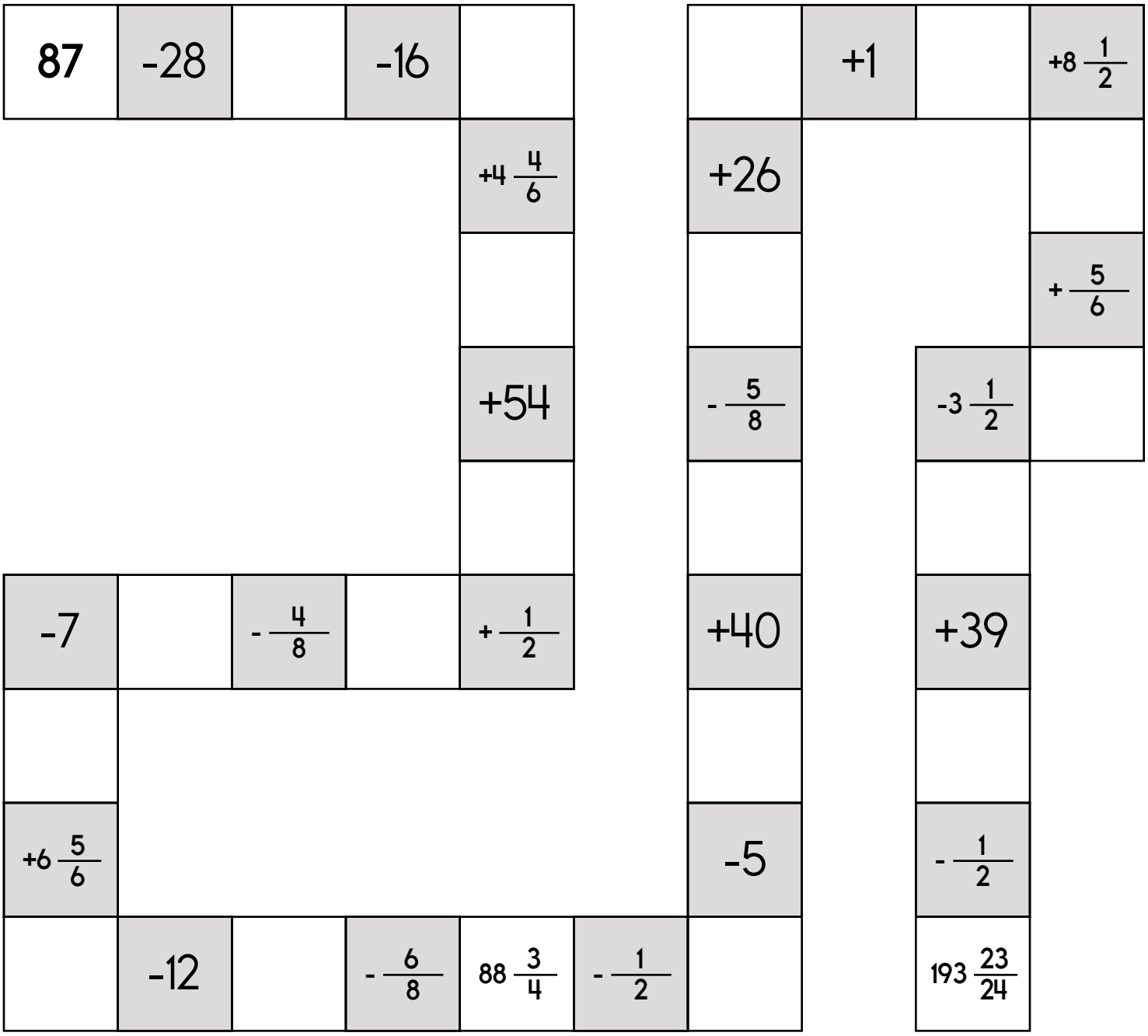
P	O	I	N	T
C	A	B	I	N

D E F G H J K L M Q R S U V W X Y Z

Let's check if you guessed correctly. Look diagonally to find the correct answer. (DIAGONAL!)

P S O G B F C E I B N P O E X B K E G
G O T B N M I A P N F B B E G T B H B
N V I P I J B B B N A B G E E G B P B
I T Q N O B B C D I Z N C B G E B B E
N B B N T G B M G M N I W I N I R I J
K P I T O T P A I B E P G T B G N O I
R B C A N N T B H K E H W E J P N J R
B G U W O B T A C P F G I B K B M G P

Name: _____



5 x 11 = _____

Write the missing family fact.

60 ÷ 15 = 4
15 x 4 = 60
60 ÷ 4 = 15

_____

Name: _____

Write the final part of each math analogy.

71, 73, 75, ____ : 77 :: 46, 48, 50, ____ :

Explain why you think your answer is correct.

third, fifth, ____, ninth : seventh :: first, ____, fifth, seventh :

Explain why you think your answer is correct.

six : sixth :: thirteen :

Explain why you think your answer is correct.

two nines : 18 :: two fours :

Explain why you think your answer is correct.

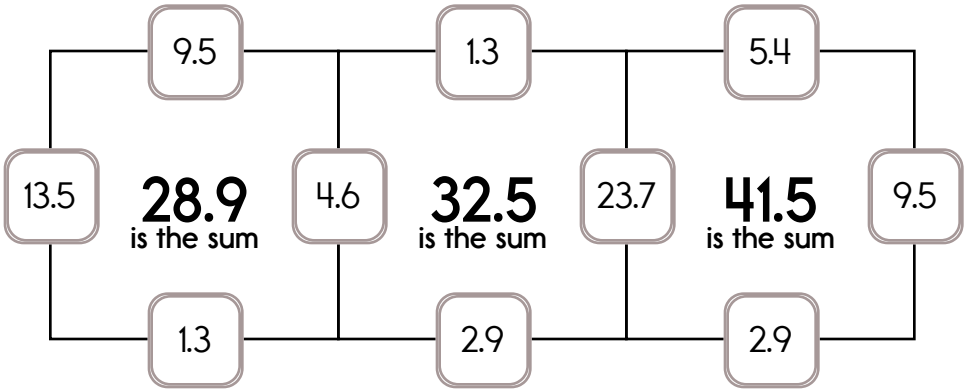
Name: _____

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

Example:
13.5 + 4.6 + 9.5 + 1.3 = 28.9

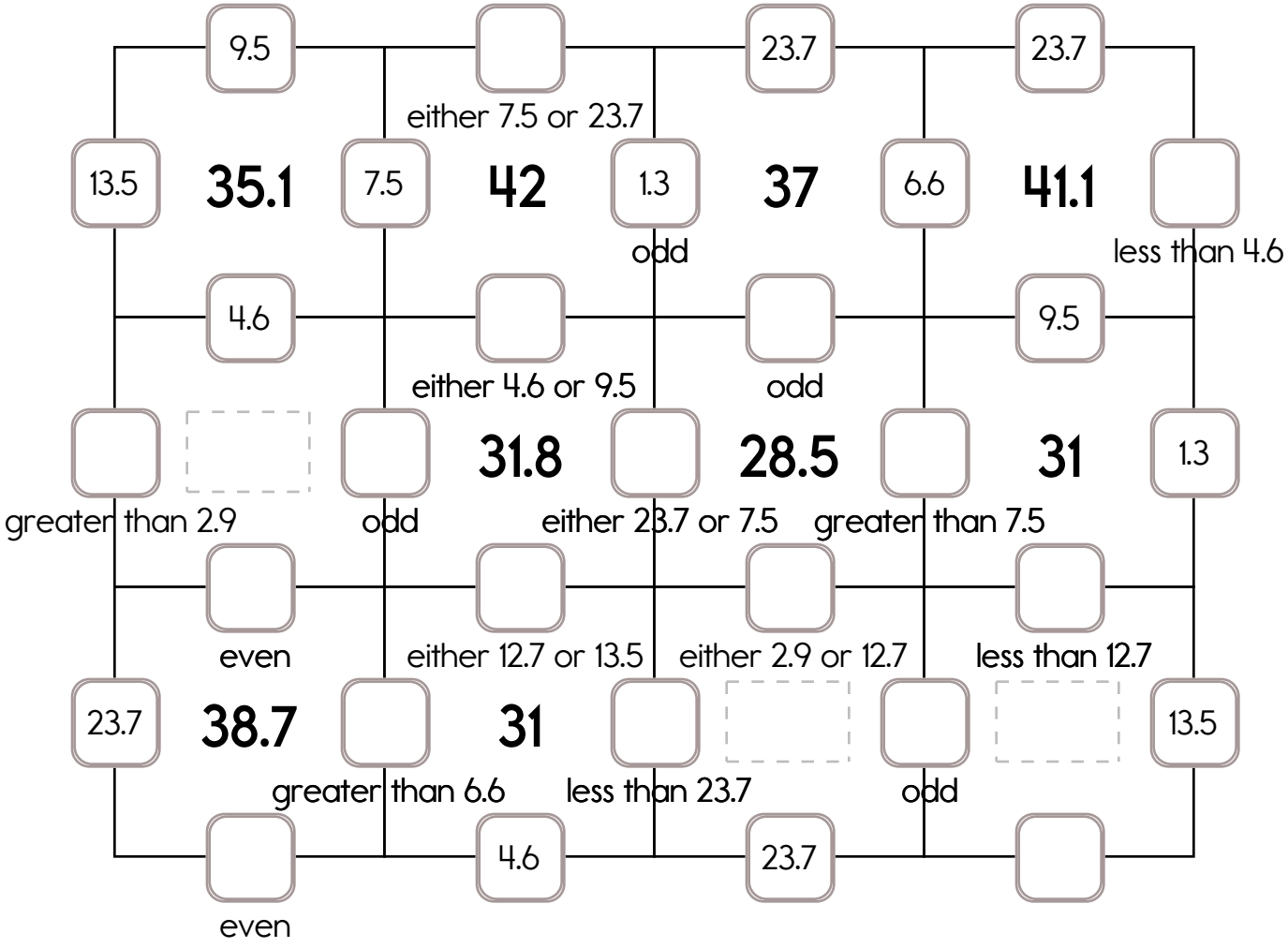
Example:
23.7 + 9.5 + 5.4 + 2.9 = 41.5

Sample:



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

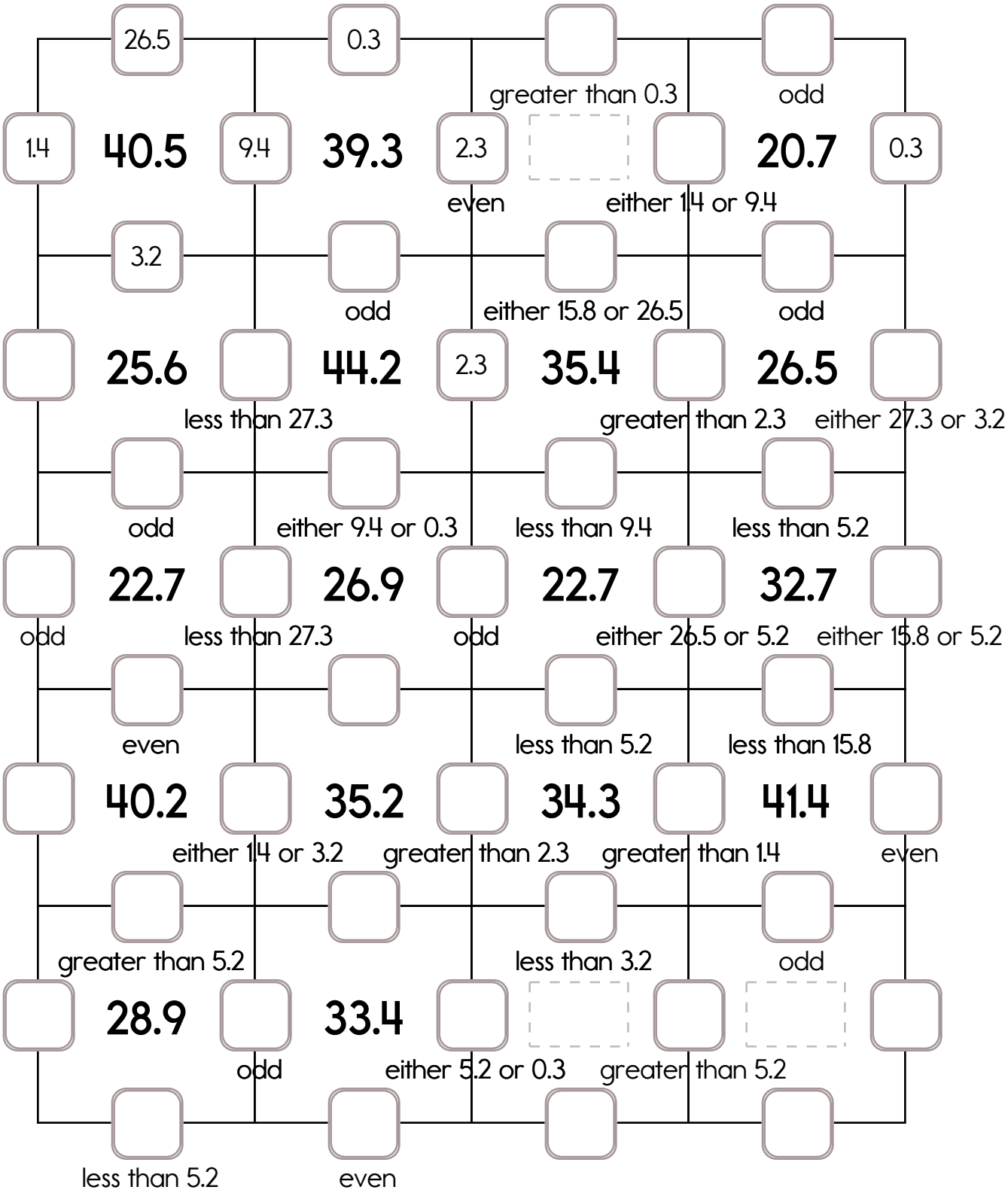
Exactly one of the four numbers has to be one of these numbers: 23.7, 12.7, or 13.5. The other three numbers have to all be DIFFERENT and must be from these: 5.4, 1.3, 6.6, 7.5, 2.9, 9.5, or 4.6.



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: 15.8, 26.5, or 27.3. The other three numbers have to all be DIFFERENT and must be from these: 5.2, 2.3, 3.2, 9.4, 1.4, or 0.3.

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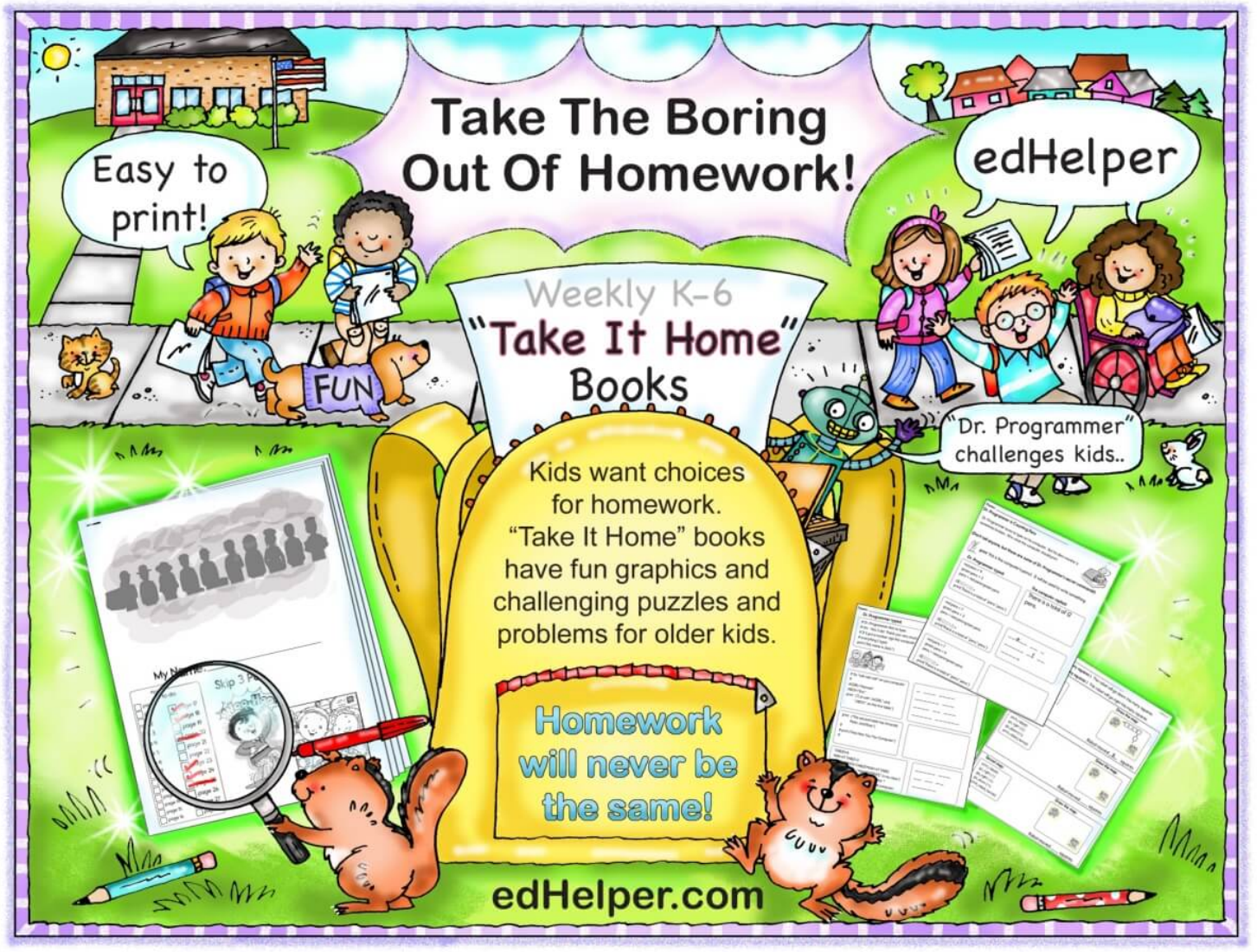
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