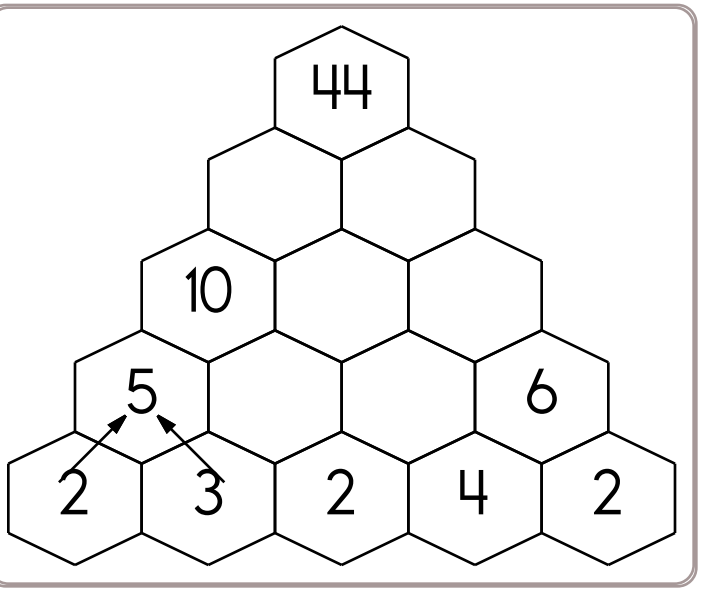
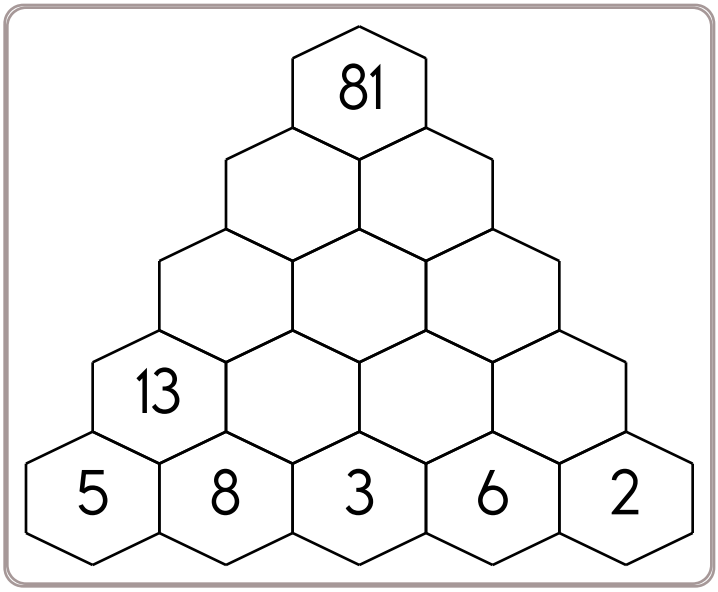
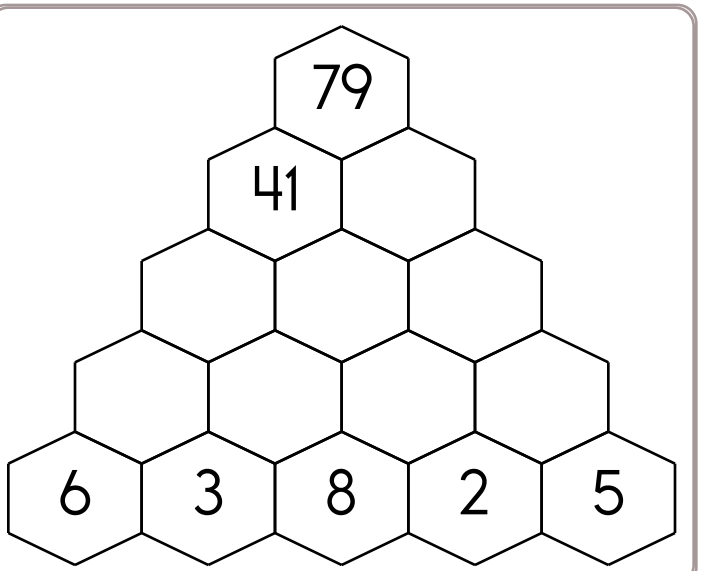
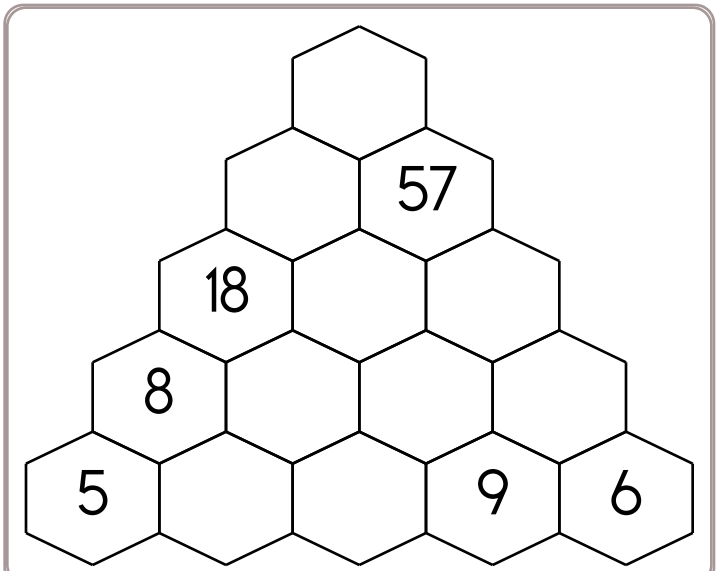
Name: _____

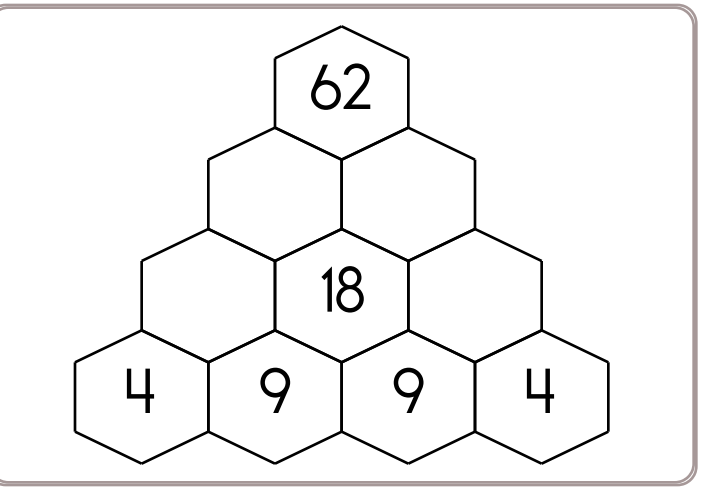
Fill in the blanks by adding the two numbers below each hexagon.

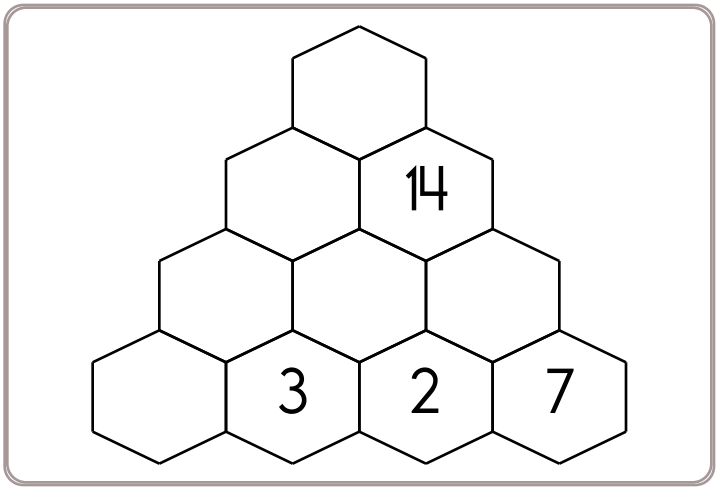








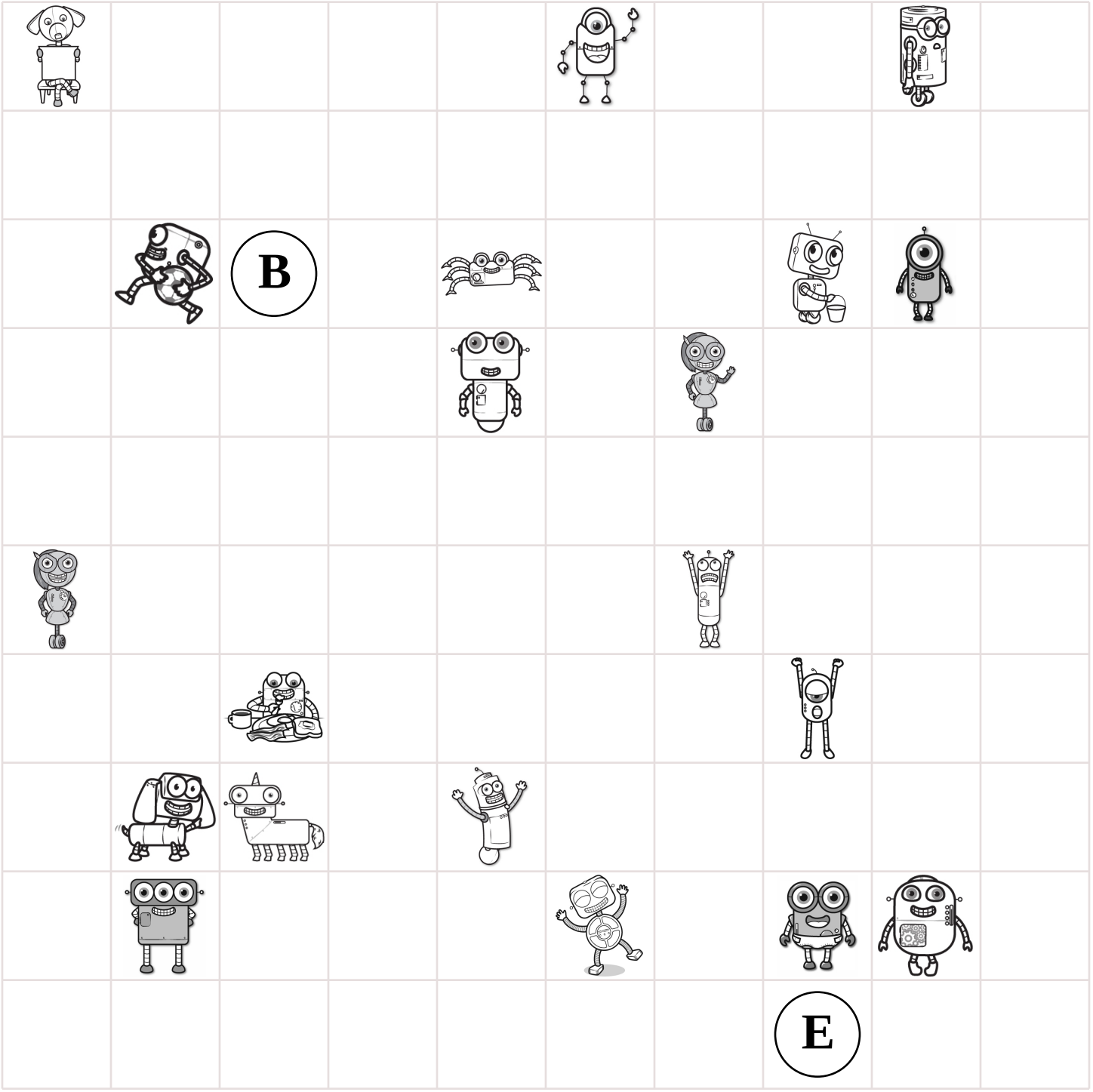




word root **fortu** can mean **chance or luck** **fortunate, misfortune**

Name: _____

Pick up all of the robots from the game board. Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a robot or the E circle. No stopping on an empty box.** Try to collect all the robots and finish your last line on the **E** circle. You can go through a robot more than once.



Didn't get them all? That's ok. This was hard.

I missed _____ circle(s).

Name: _____

A sample of chemical Z originally had a mass of 7.5 grams. However, the sample was divided up into parts that were only 0.29 times as large as the original sample, and each of the smaller samples was sent to a different lab for analysis. One lab got a sample that was a bit smaller than the others because the original sample was not an exact multiple of 0.29. What was the mass of the odd sized sample?

Chemical Q is unstable at room temperature, so it is kept in a refrigerator at -36<img src="http://www.edhelperclipart.com/clipart/degree
Once removed from the fridge, its temperature rises at a rate of 3<img src="http://www.edhelperclipart.com/clipart/degree
per minute. Assuming a bottle of chemical Q was exactly -36<img src="http://www.edhelperclipart.com/clipart/degree
when removed from the fridge, what will its temperature be two minutes after removal from the fridge?

Amy can't wait for her friend to visit.

"As soon as you leave the airport, drive 36 miles to exit 5," says Amy.

"I don't think you mean miles. They use kilometers here," says Rose.

Help Amy tell Rose how many kilometers to drive. Use 1 mile = 1.6 kilometers.

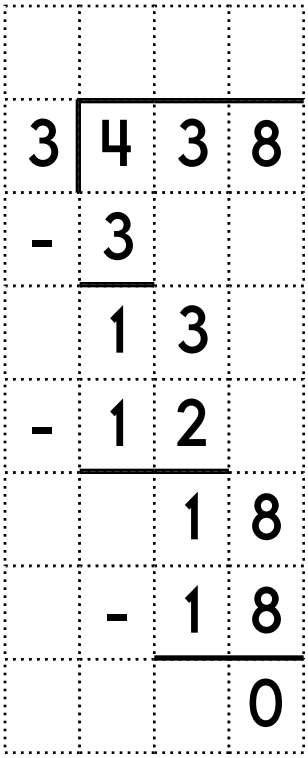
Find 33% of 282.

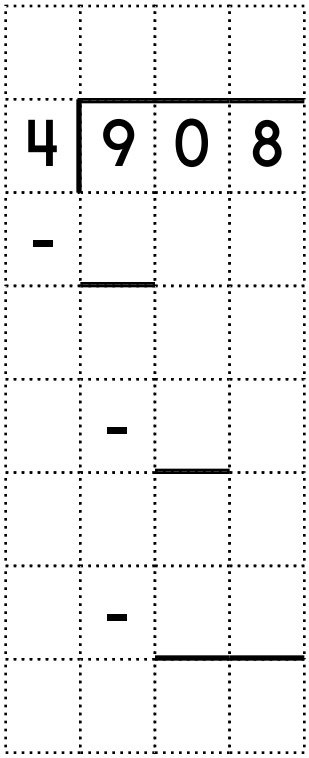
Reduce $\frac{36}{45}$ to its lowest terms.

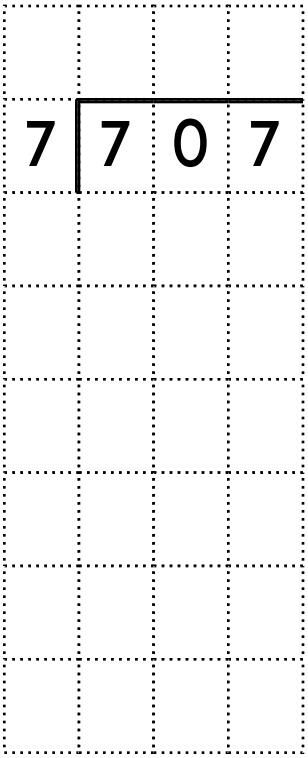
$$\begin{array}{r} 8,391 \\ -\ 3,132 \\ \hline \end{array}$$

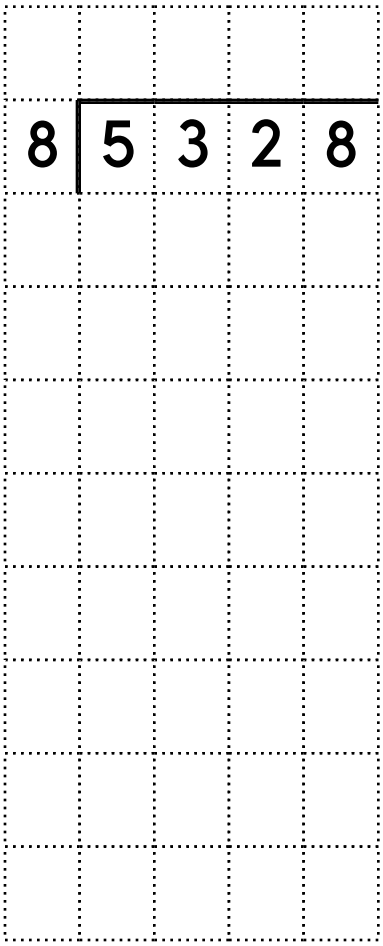
word root **ize** can mean **make** **harmonize, synchronize**

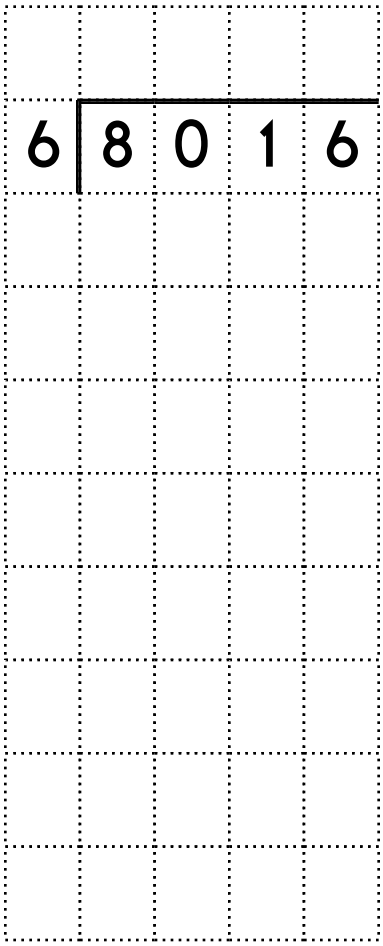
Name: _____

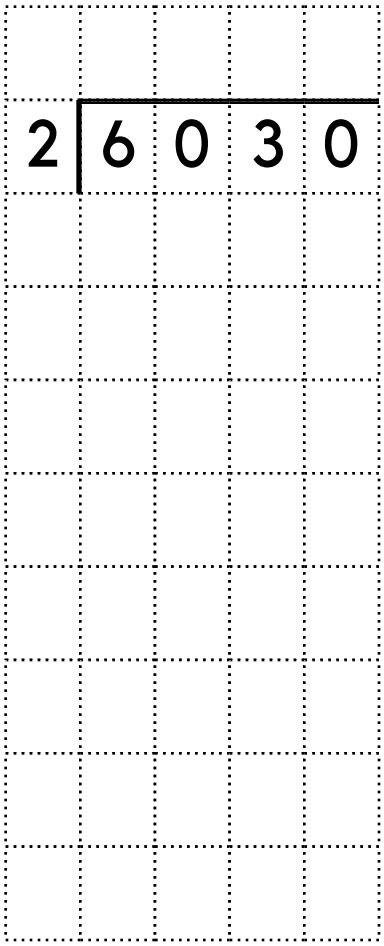












Name: _____

Some vowels are missing in the word search.
Fill in the missing vowels and circle the words.

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

ANGER • OPINION • WEALTH
THANKFUL • COMFORT • BLAND
DISLIKE • COUPLE • TRIED • PITY
TENTH • EVERYBODY • WOE
SHACKLE • PARDON

1 km = 1,000 m

16 km = _____ m

24 cm = _____ mm

$$\begin{array}{r} 58 \\ -\ 17 \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ +\ 343 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ +\ 32 \\ \hline \end{array}$$

Can 889 be evenly divided by 7? Circle:
889 is NOT evenly divisible by 7
889 is evenly divisible by 7

Which is the better buy?
Three bags of candy for $24
or nine bags of candy for
$54?

How many yards are in 12 feet?

_____ yards

75,525 - 56,227 = _____

Name: _____

Sudoku Sums of 8

Each row, column, and box must have the numbers 1 through 9.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 8.

Here is an example of a sudoku sum of 8:

1	7

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

$$\begin{array}{r} 450 \\ -\ 309 \\ \hline \end{array}$$

What time is 14 hours after 1:00 p.m.?

_____

$66 \div 6 =$ _____

Name: _____

You cannot decide what pizza store to go to. Hannah's pizza cuts their pizza into 6 slices. Each slice costs $2 each. Emma's pizza cuts their pizza into 4 slices. Each slice costs $3 each. If you like each pizza the same, which pizza store has the better buy?

45 ÷ 5 =

2 x 8 = _____

The equation 27 ÷ 9 + 19 = 22 uses three different numbers and two different equations.
Make up your own equation which also has three different numbers and two different equations. The answer to your equation needs to be 448.

61,654 + 62,267 = _____

Can 443 be evenly divided by 4? Circle:
443 is evenly divisible by 4
443 is NOT evenly divisible by 4

Write an equation to represent this:

The difference between thirteen and four is nine.

_____

8 x 4 =

9 x 2 = _____

819 - 142 = _____

6 x 11 = _____

4 x 6 =

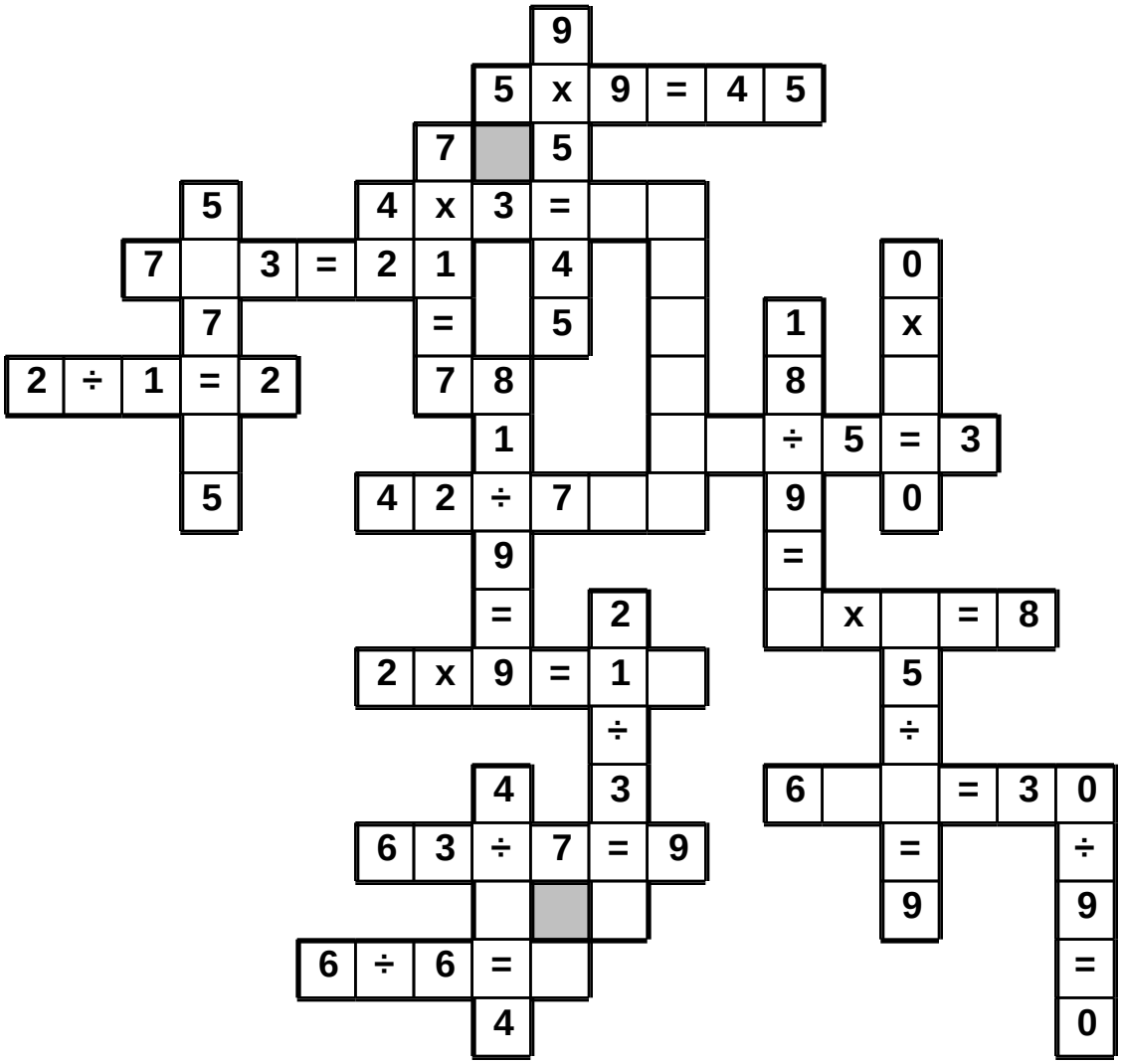
The product of two consecutive whole numbers is 132. What are the two consecutive whole numbers?

word root **infra** can mean **beneath** **infrastructure**

Name: _____

1 • 2 • x • x • 8 • = • 1 • 3 • 1 • 5 • = • 6 • 2 • 4 • 8 • x • 5 • 17 • 1

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



Circle the greatest number:

628,108,690,523 31,602,478

59,968,270,345 49,357

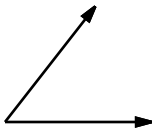
In the number 454,034,917,342, the digit 1 is in what place?

_____

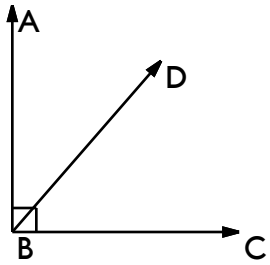
8 x 5 = _____

24 ÷ 3 = _____

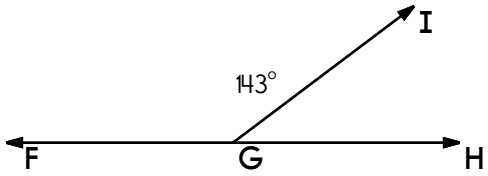
Name: _____



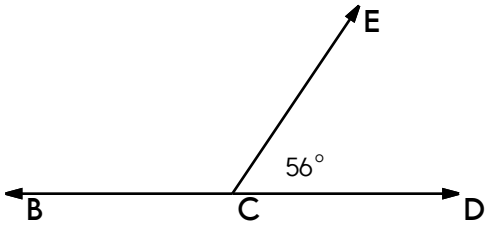
What kind of angle is this?



What kind of angle is ∠ABD?



What kind of angle is ∠IGH?



What is the measure of ∠BCE?

Write the supplement of each angle.

40°

38°

9°

25°

What kind of angle has a measure of between 90° and 180°?

Use a protractor to draw a 50° angle.

Name: _____

Write each product in the simplest form.

$\frac{20}{8} \times \frac{5}{3}$

$\frac{3}{2} \times \frac{1}{2}$

$\frac{3}{2} \times \frac{5}{4}$

$\frac{11}{9} \times \frac{13}{16}$

$\frac{26}{8} \times \frac{39}{10}$

$\frac{4}{3} \times \frac{1}{2}$

$\frac{10}{8} \times \frac{2}{15}$

$\frac{10}{6} \times \frac{14}{9}$

$\frac{25}{10} \times \frac{23}{10}$

$\frac{16}{7} \times \frac{1}{2}$

$\frac{15}{11} \times \frac{21}{14}$

$\frac{9}{5} \times \frac{2}{15}$

Name: _____

What is $6 \div \frac{2}{7}$?

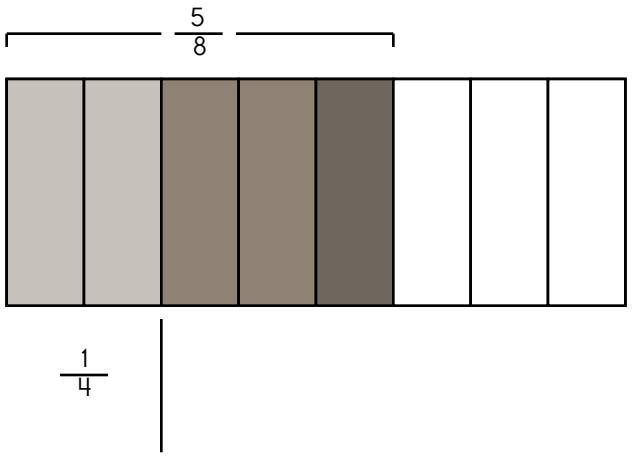
Number of two-sevenths in 6 wholes =

$6 \div \frac{2}{7} =$

What is the reciprocal of $\frac{2}{7}$?

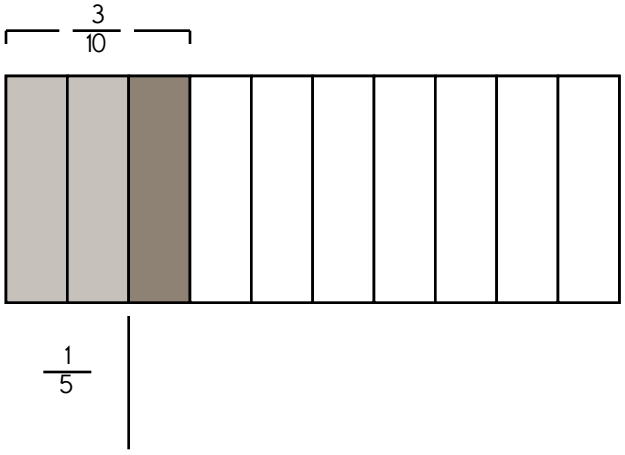
$6 \div \frac{2}{7} = 6 \times \frac{7}{2} =$

How many fourths are in five-eighths?



$\frac{5}{8} \div \frac{1}{4} =$

How many fifths are in three-tenths?



$\frac{3}{10} \div \frac{1}{5} =$

Write as an improper fraction in simplest form.

$1\frac{2}{5} =$

$1\frac{2}{3} =$

$3\frac{1}{6} =$

Divide and write the quotient in simplest form.

$1\frac{2}{4} \div \frac{6}{9} =$

Name: _____

Can you draw lines to cover every number or shape in the picture?

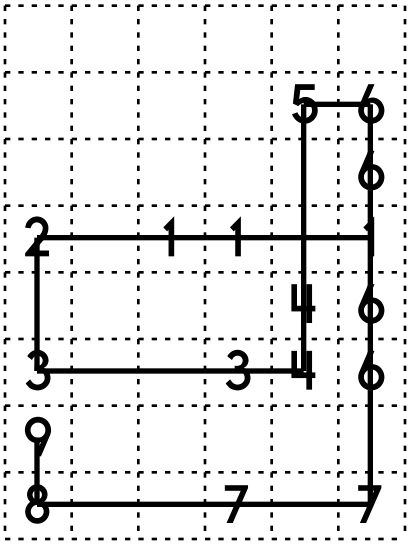
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

The first one is already done for you. Good luck.

Draw exactly 8 lines.

Start on 1.

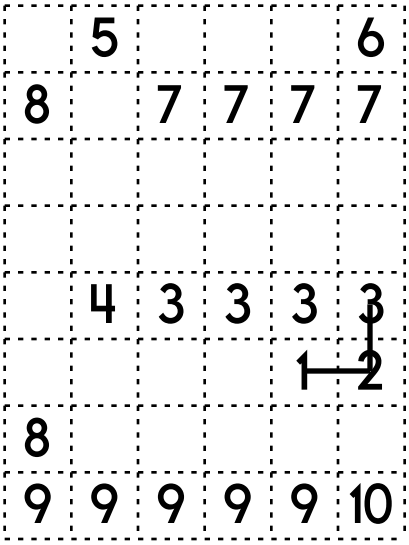
Do not pick up your pencil.



Draw exactly 9 lines.

Start on 1.

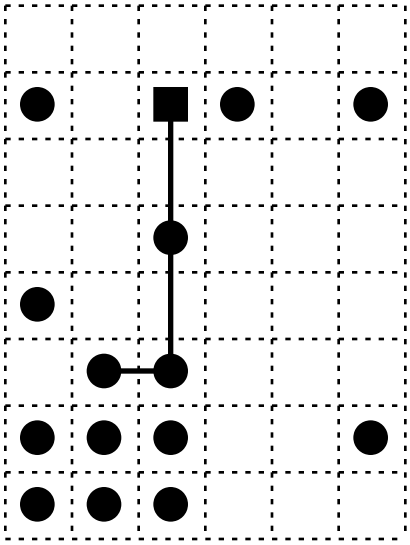
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

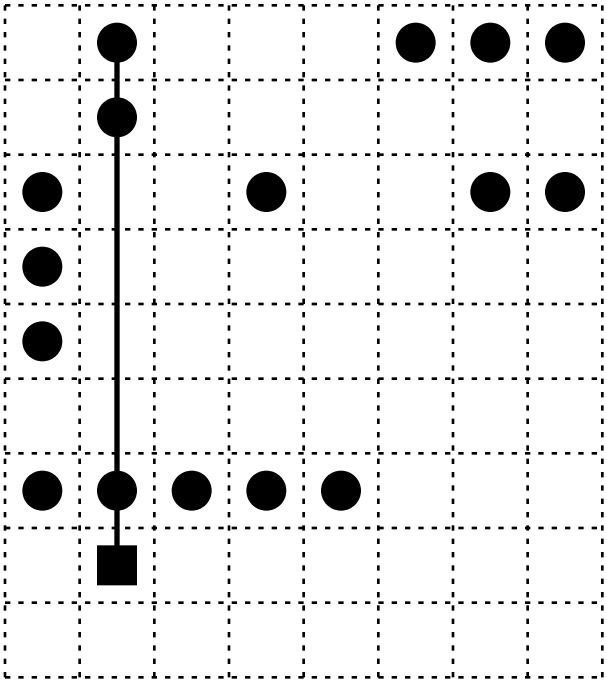
Do not pick up your pencil.



Draw exactly 6 lines.

Start on the square.

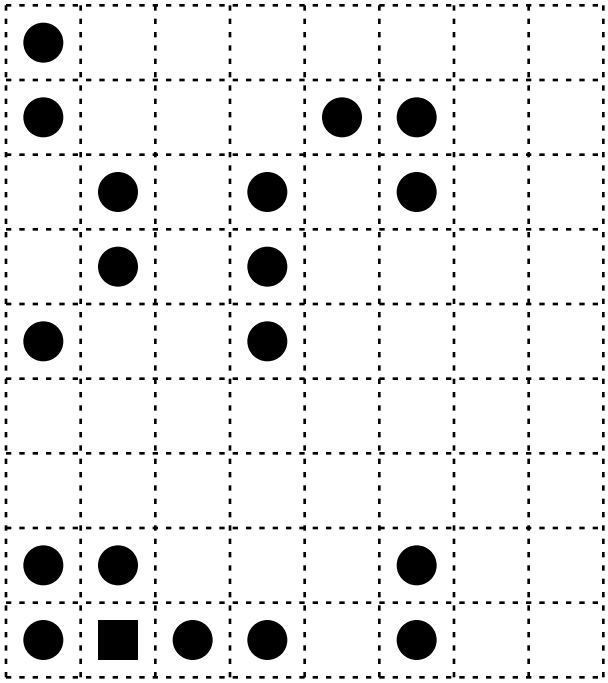
Do not pick up your pencil.



Draw exactly 9 lines.

Start on the square.

Do not pick up your pencil.



Name: _____

Find the least common denominator.

$\frac{2}{4}$ and $\frac{2}{8}$

$$9 - 3\frac{1}{7} = \_\_\_\_$$

$$22\frac{1}{2} - 7 = \_\_\_\_$$

$\frac{5}{6} \div \frac{1}{7} =$

$4 \times \frac{9}{12} =$

$\frac{2}{3} \times 9 =$

$\frac{1}{6} \times \frac{8}{9} =$

$\frac{3}{7} \div 4\frac{1}{6} =$

$5 \div \frac{4}{7} =$

Write the reciprocal.

$\frac{22}{1}$

Write the reciprocal.

19

Write the reciprocal.

$\frac{8}{20}$

Name: _____

$11m = 44$

$\frac{N}{11} = 4$

$11 \times \_\_\_\_ = 55$

What is the missing number?

$12 \times N = 84$

What is the value of N?

$20m = 140$

$612 = 18n$

$\_\_\_\_ \times 8 = 24$

What is the missing number?

$N \times 12 = 48$

What is the value of N?

$\frac{N}{23} = 26$

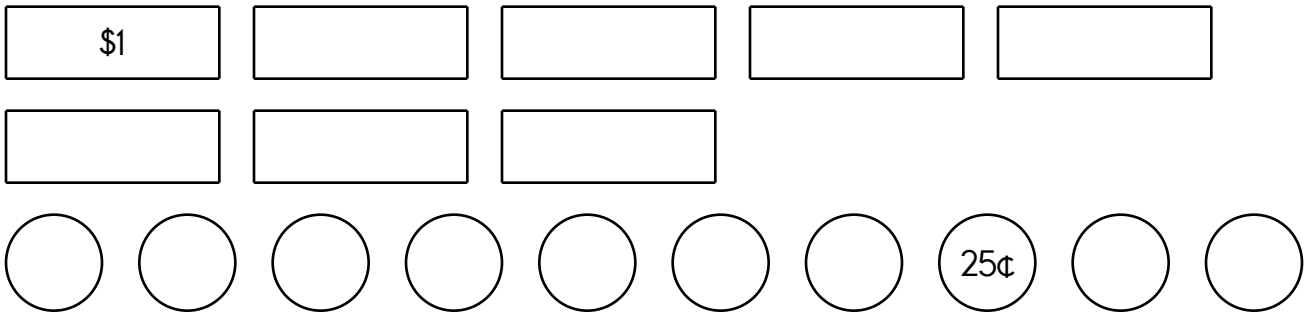
$7y = 35$

$7m = 21$

Name: _____

Make change. You can use $20, $10, $5, $1, 25¢, 10¢, 5¢, or 1¢.

Adam has $58.12. He has 8 bills and 10 coins. How?



Anne has $31.16. She has 3 bills and 15 coins. How?

Amy has $50.25. She has 3 bills and 16 coins. How?

48 ÷ 8 = _____	(4 + 9) + 9 =	16 ÷ 2 = _____
30 ÷ 6 = _____		

Name: _____

Draw ONE continuous line that touches every box ONCE.
Count by 4.5s. Find the box with the number 4. Move up, down, right, or left.
Keep counting until you reach 377.5. Do not move into a spot with a picture.

						256			
			238						
									
			184						
									
				53.5					
						337			
								377.5	355
					35.5	22	8.5		
							4		

36 ÷ 4 =	What should replace the F in this equation? 10 ÷ 5 + F = 9	10 x 5 = _____
12 ÷ 3 =		

Name: _____

Complete each pattern, using the same rule. Write what the rule is.

____, ____, 4, 4, 2, 2, 4, 4, 2, 2, 4, 4
2, ____, ____, ____, ____, 2, 9, 9, 2, 2, 9, 9
5, 5, 2, 2, 5, 5, 2, 2, 5, 5, 2, ____, 5, ____, ____, 2

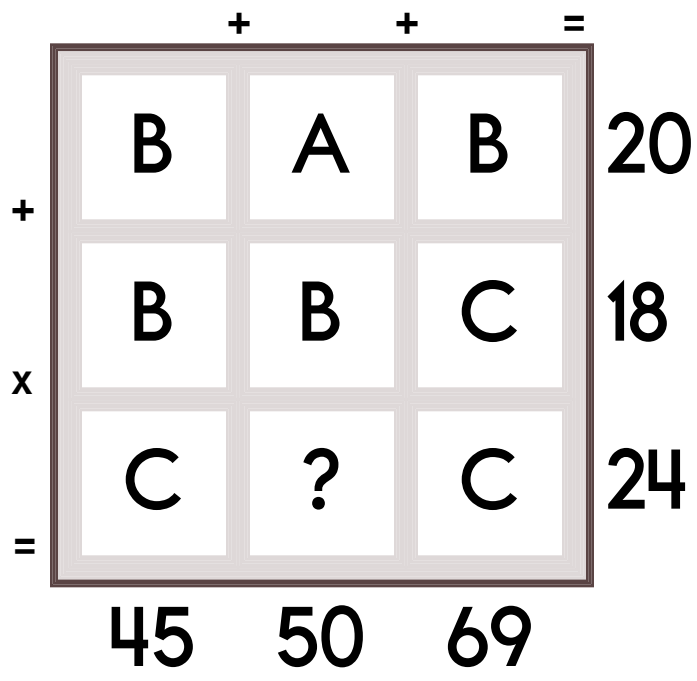
Complete each pattern. Write what the rule is.

$30\frac{1}{6}$, $27\frac{5}{12}$, $27\frac{1}{12}$, $24\frac{1}{3}$, 24, $21\frac{1}{4}$, $20\frac{11}{12}$,
$18\frac{1}{6}$, _____, $15\frac{1}{12}$, $14\frac{3}{4}$, 12, $11\frac{2}{3}$

$29\frac{5}{12}$, $29\frac{1}{12}$, $26\frac{1}{3}$, 26, $23\frac{1}{4}$, $22\frac{11}{12}$,
_____, _____, $17\frac{1}{12}$, _____, _____, $13\frac{2}{3}$

Subtract $\frac{1}{3}$, then subtract $2\frac{3}{4}$; Repeat.

Name: _____



Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

B + C x C = 69 B + B x C = __ __ + __ + __ = 20

__ + __ + __ = 18

Additional hints:

A = B + 5 C < 10

Show Work:

Solve:

? = __

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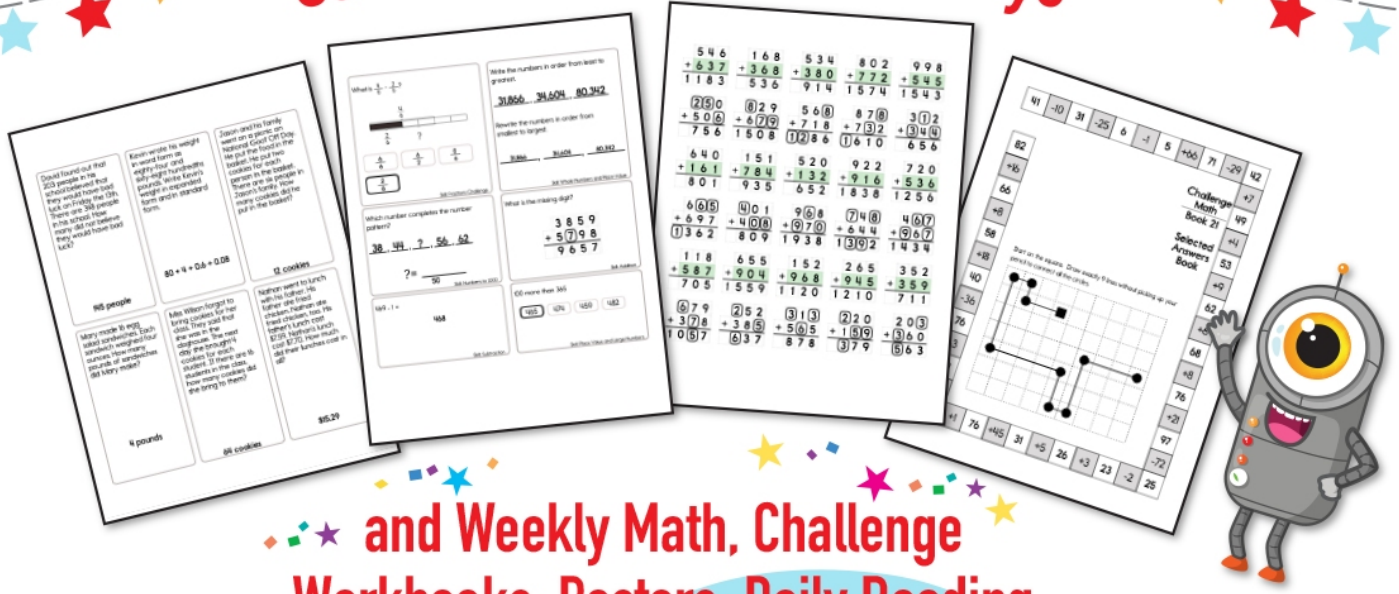

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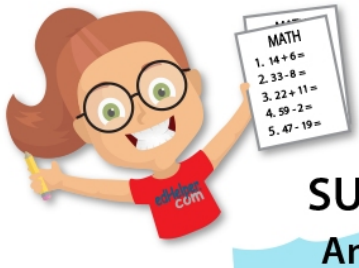

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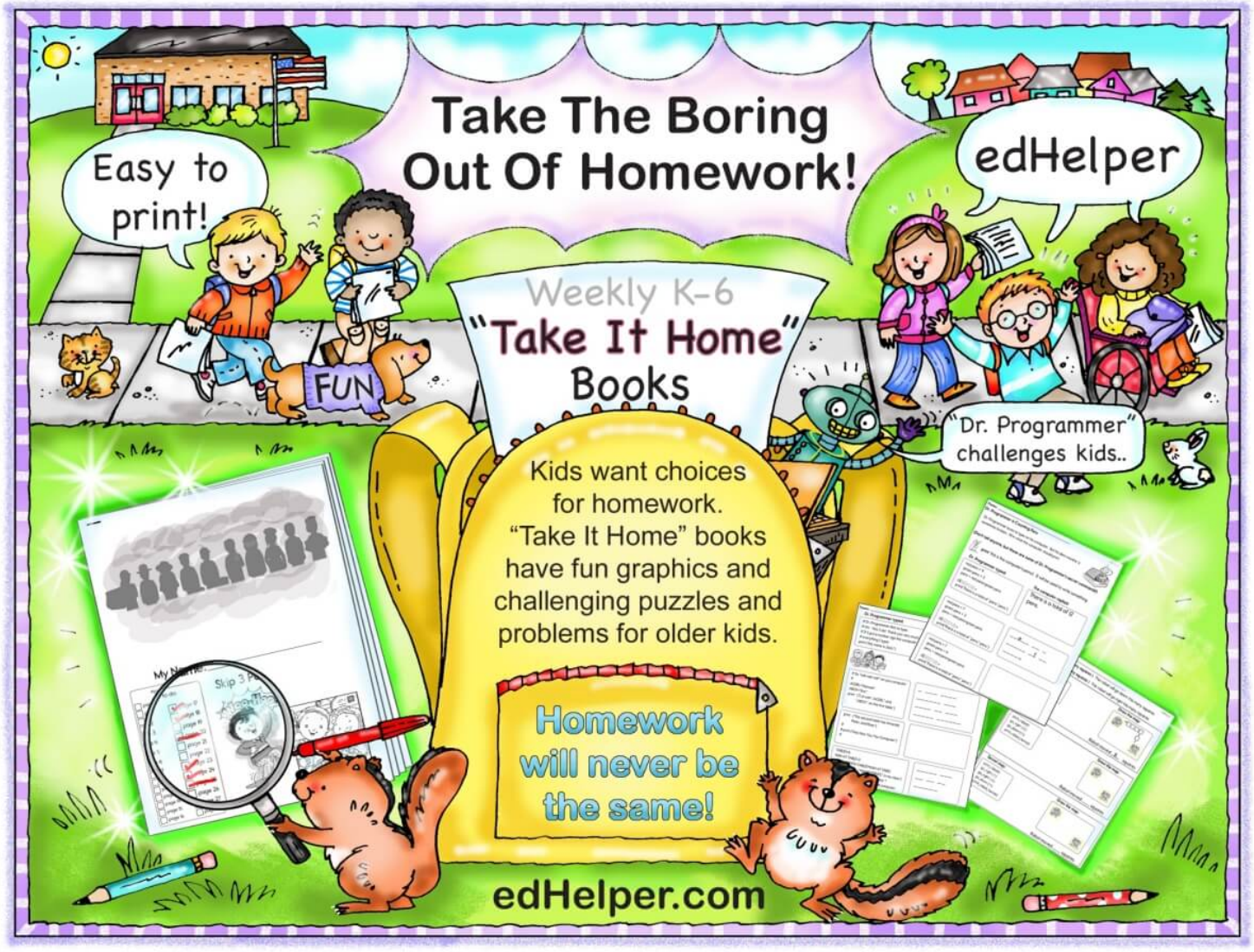
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