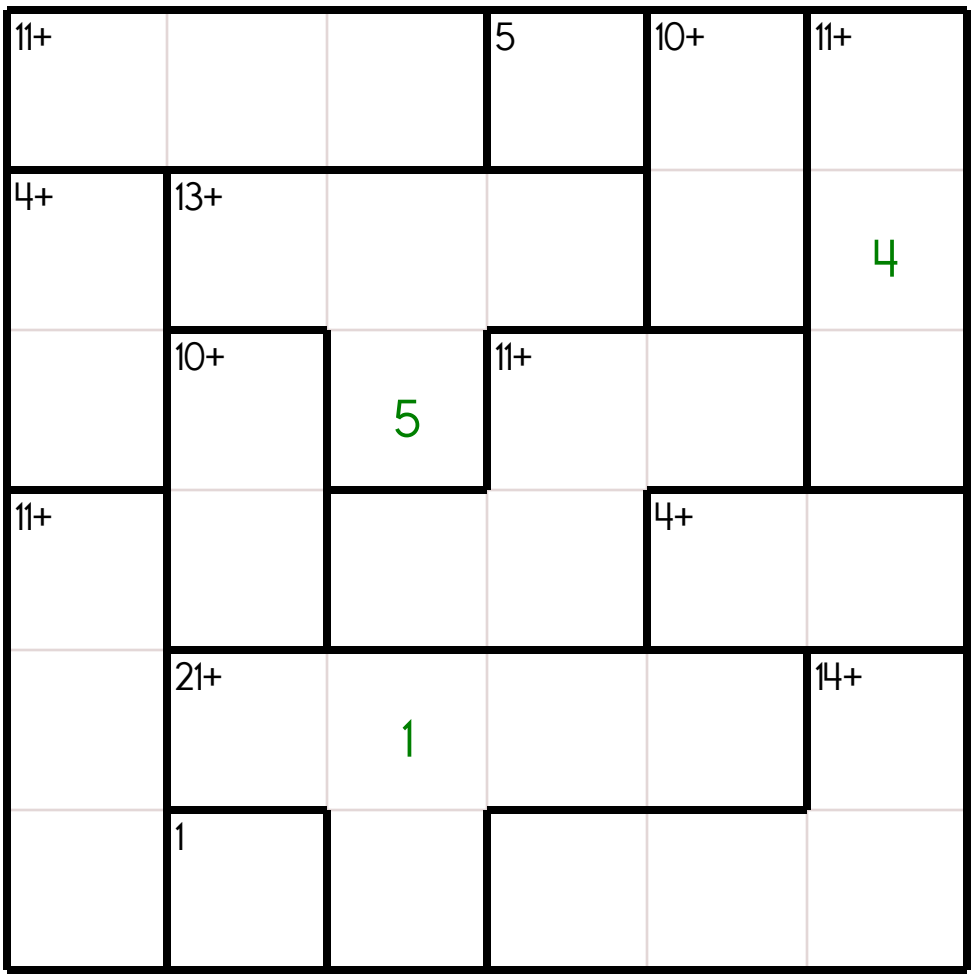
Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.
Every row must contain the numbers 1, 2, 3, 4, 5, and 6.
Every column must contain the numbers 1, 2, 3, 4, 5, and 6.
In a cage with a plus sign, the given number will be the sum of all the digits in the cage.



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

____ + 6 = 10

____ + 3 = 4

____ + 1 + ____ + ____ + ____ = 21

____ + 3 + ____ = 11

____ + ____ + ____ + 5 = 13

4 + ____ = 10

____ + ____ + 4 = 11

____ + 5 + ____ + ____ = 14

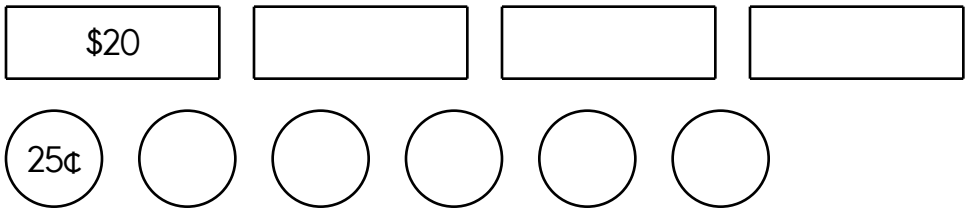
____ + 4 + ____ = 11

3 + ____ = 4

Name: _____

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

Use the fewest bills and coins to make $51.34.



Use the fewest bills and coins to make $11.56.

Use the fewest bills and coins to make $27.26.

Use the fewest bills and coins to make $31.58.

Fill in the missing letters. Write io or ee.

fift_____n	ninet_____n	foundat_____n	plantat_____n
fr_____dom	commiss_____n	car_____r	n_____dle

word root **itis** can mean **infection** **appendicitis, arthritis**

Name: _____

Get a fidget spinner! Spin it.

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

0.2 (0.4 (0.2 x 8)) =

8 + 9 x 7 + 7

0.19 • 6 =

Rewrite $\frac{23}{25}$ as a decimal.

In what quadrant would you find the point (-8, 18)?

y = x + 16
y = 21
What is the value of x?

The unknown value x is a multiple of 4, is greater than 109, and it is divisible by 17. What can be the lowest possible value of x?

Rewrite as an algebraic expression or equation.

Fourteen subtracted from a number is thirty-seven.

9, W, 3, 4, 9, _____, 3, 4,

9, W, 3, 4, 9, W, 3

$\frac{4}{8} \div \frac{4}{24}$ =

Use >, <, or = to complete.

65% ___ $\frac{1}{8}$

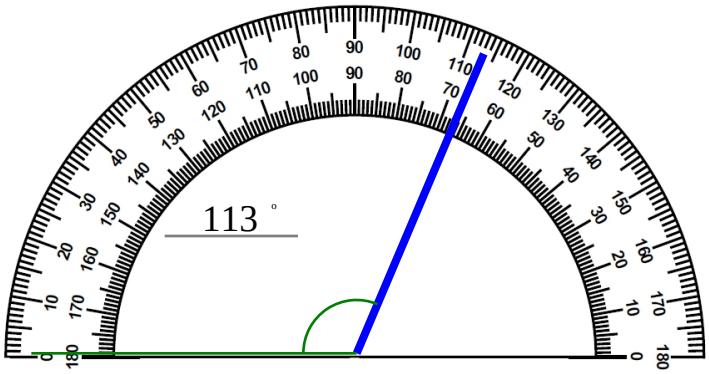
81% ___ $\frac{3}{10}$

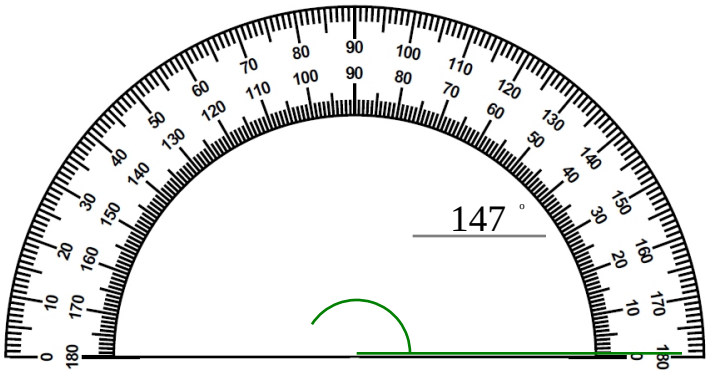
$\frac{1}{11}$ ___ 22%

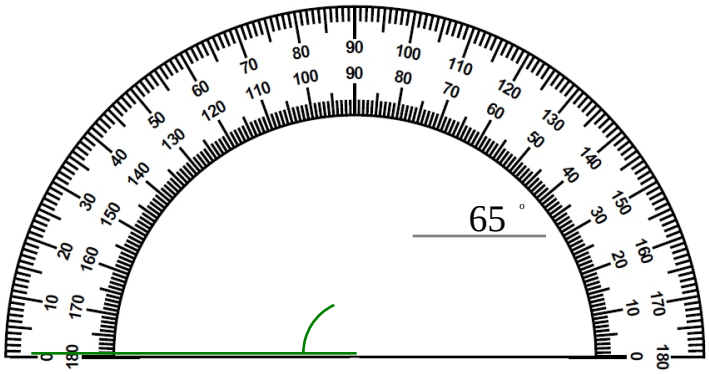
0.8 (0.5 (0.8 + 2)) =

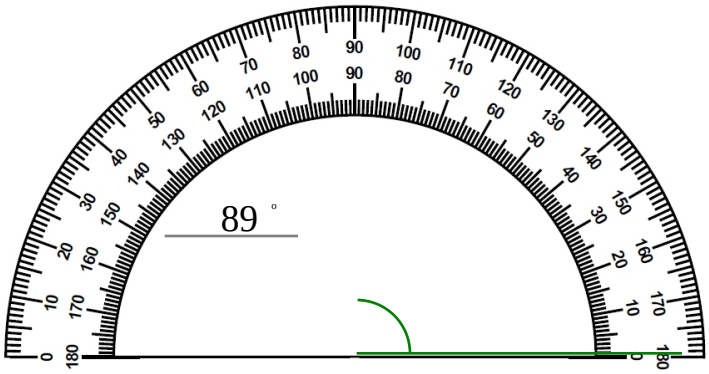
Name: _____

Draw the angle using a protractor.









90 °

152 °

26 °

14 °

Name: _____

In 2000, General Motors produced 1,988,851 passenger cars, not including trucks and SUVs. In 1994, GM produced 2,719,764 cars. To the nearest thousand, how many more cars did GM produce in 1994 than in 2000?

The image of the fiber in the photograph had been enlarged by the investigators to 100 times its original size. If the actual fiber was 0.25 mm wide, what was the width of the enlarged fiber image?

Eric makes money over the summer playing guitar and singing songs at birthday parties. He charges $25 for a half hour show plus a dollar for each child who attends. Last week he played a party for 17 kids. How much money did he earn at that gig?

Explain how the phrase "over, over, and up" might be used to help remember an important starting procedure used to divide one decimal number by another.

Jacob had 45 minutes in the morning to practice guitar and about twice that much time in the afternoon. How much time in a day did Jacob have available for practicing guitar?

A particular pail has a capacity of 0.37 kg of sand. How many pails full of sand would it take to make a sandcastle containing 48 kg of sand?

Simplify.

$\frac{144}{384}$ =

(3 + 13 + 10) =

If 4x = 56, then x =

Name: _____

Eleven-fifteenths of the cars in the parking lot at Bigtown High School are worth between $750 and $1,200. If there are 255 cars in the lot, what is their minimum value?

The diameter of a U.S. quarter is about $\frac{15}{16}$ inches. If 48 of them were placed face-down, touching each other in a row, how long would the row be?

Hannah had $15 for lunch each week. If she bought the standard hot lunch each day (for 5 days) at $2.34, how much money would she have left over at the end of the week?

Write an equation to represent this situation, and then solve it: David paid his mom back $20 of the total that he owed her, but he still owed her $127. How much did his mom loan him?

The skirmish was over. Five people were killed and forty-one were injured. There were four hundred thirty people involved in the skirmish. What percent of the total people involved, to the nearest whole percent, were either killed or injured?

Jack is a volunteer at a kitchen that serves meals to people that need help. He uses $1\frac{1}{4}$ pounds of meat to make enough spaghetti sauce to serve 8 people. How many people could be served if he used 34 pounds of meat?

What is the remainder of 92 divided by 19?

$100 - p = $35
What is the value of p?

$|-12| - x = 17$

$x =$

Name: _____

Kayla has a total of fifteen nickels and quarters. The total value of the coins is $1.75. How many of each coin does she have?

Robert has twelve more pennies than nickels. Robert has a total of seventy-four pennies and nickels. How much money does he have?

Benjamin's pennies and nickels total $4.10. If the pennies were replaced by nickels and the nickels were replaced by pennies, then he would have $2.02. How many of each coin does he have?

Alexandra has a total of $22.70. She has five times more pennies than nickels, ten more dimes than nickels, and forty fewer nickels than quarters. How many of each coin does she have?

Name: _____

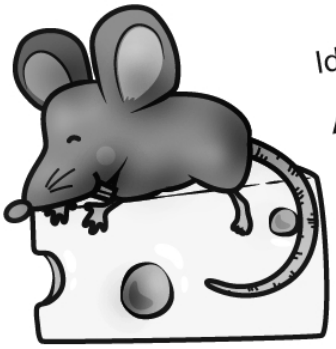
Danielle has a total of one hundred thirty-eight pennies, nickels, and dimes. She has two and a half times as many dimes as pennies and one-third as many nickels as pennies. How much money does she have?

Cody's dimes and pennies total $1.75. His pennies and quarters total $8.75. How much money does he have?

Natalie has pennies, nickels, and quarters. She has a total of $6.96. She has ten fewer quarters than nickels and four times as many pennies as quarters. How many of each coin does she have?

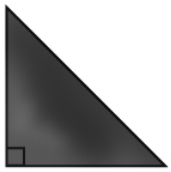
Ashley has five times as many dimes as pennies and three times as many quarters as pennies. Ashley has a total of sixty-three pennies, dimes, and quarters. The total value of the coins is $8.82. How many of each coin does she have?

Name: _____



Identifying by Angles

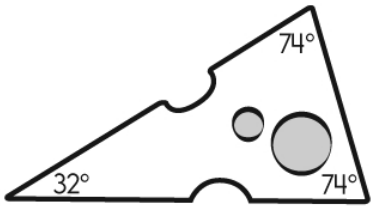
Triangles!



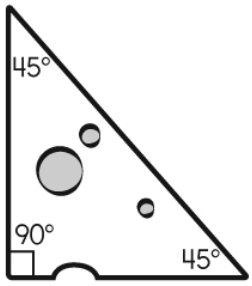
Right
1 right angle

Acute
3 acute angles

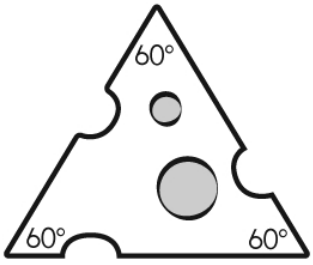
Obtuse
1 obtuse angle



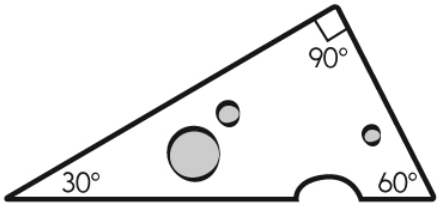
_____



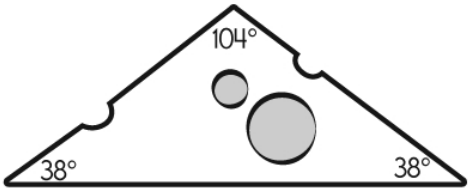
_____



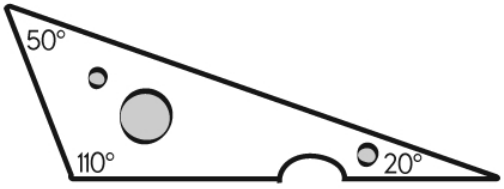
_____



_____



_____

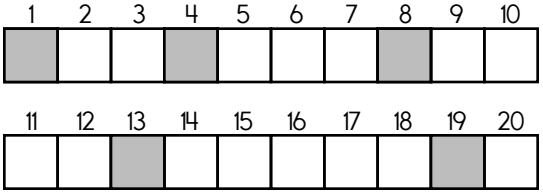


_____

Name: _____

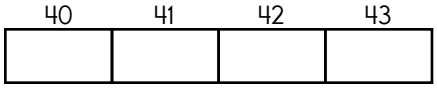
How could the number 12.7 appear in a real-life situation?

In the above grid, each box has a length of 1 unit and a width of 1 unit. Using the above grid, draw three different rectangles. Two of the rectangles should each have a perimeter of 22 units. The third rectangle should have a perimeter of 16 units.

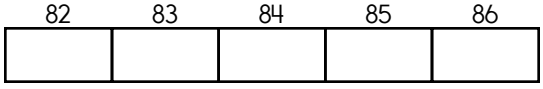


If this pattern continues, color how these squares would look:

a.



b.



Pam is working on a computer program. She created a variable and set its initial value to 3. Then she made a loop. In the loop, she multiplies the variable by 5 and prints the current value. Here is the program.

```
my_variable = 3
count = 0
while (count < 4):
  count = count + 1
  my_variable = my_variable * 5
  print (my_variable,"\n")
```

What will this computer program print?

Name: _____

Draw a circle that has an area close to 26 square units.

If you count the squares inside your circle, it should be close to 26 squares.

Amanda is writing her own app. The idea is to let players make a unique robot. You keep making robots until you duplicate a design. The app gives a choice of 1 to 4 eyes. Then the color of the robot could be blue, red, green, or orange. Finally, kids pick the height: medium, large, or small. When all is said and done, the robot will jump and move across the screen! She added one twist. You are not allowed to make the same robot that was previously made. She gave the app to her brother to test. How many times can her brother play the game until he is out of choices?

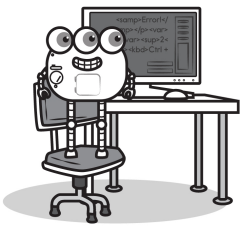
Hannah is playing a game on her phone. At the start of the game, she is given a job. Her job pays her 2,378 million points over its term of 82 days. The points are distributed each day evenly throughout her contract. So far, she has played for 9 consecutive days. How many points does she have so far?

Outline and draw any one of your fingers below. After the outline, connect the two endpoints so that it is enclosed. Can you take a quick guess what the area of your finger might be? Then try to calculate it using a ruler or anything that might help. It's not a square so your calculation will be an estimate also.

My guess = _____

My calculation = _____

Name: _____



Robot was given a math problem to solve.

The city's Freedom Memorial Garden was enclosed by a fence put up in the shape of a parallelogram with a base of 132 feet and a height of 101 feet. What was the area of the garden?

Robot wrote this program in Python to solve it.

```
# Assign the values of the base and height
base = 132
height = 101

# Calculate the area of the garden by multiplying the base and height
area = base * height

# Print the area of the garden
print(area)
```

Robot's program will print the answer to the math problem.
What will the program print out? Fill in the blanks.

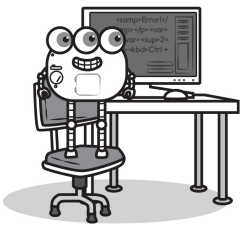
___ ___ ___ ___ ___

Hints and a Question

To multiply in Python * is used.

When Robot wants to help explain something in the program, Robot starts a line with # and a space. This is called a comment. How many comments are in Robot's program?

Name: _____



Robot was given a math problem to solve.

Nathan had 5 books in his backpack. When the backpack is empty, its mass is 2,000 g. With the books in it, the total mass is 11,100 g. What is the mass of the books?

Robot wrote this program in Python to solve it.

```
mass_of_backpack_empty = 2000
mass_of_backpack_with_books = 11100

mass_of_books = mass_of_backpack_with_books - mass_of_backpack_empty
print(mass_of_books)
```

Robot's program will print the answer to the math problem.
What will the program print out? Fill in the blanks.

___ ___ ___ ___

Hints and Questions

After Robot's program is done, the variable mass_of_backpack_with_books will have a value in it. What value does it have?

In the program, "mass_of_backpack_empty" is called a variable.
It is used to store a value. Name two other variables used in the program.

Name: _____

Cross off the number that does NOT belong.

$\frac{3}{9}$, $\frac{6}{9}$, 1, $1\frac{3}{9}$, $1\frac{6}{9}$, 2, $2\frac{3}{9}$, $2\frac{6}{9}$, 3, $3\frac{3}{9}$,

$3\frac{6}{9}$, 4, $4\frac{3}{9}$, $4\frac{6}{9}$, 5, $5\frac{3}{9}$, $5\frac{5}{9}$, $5\frac{6}{9}$, 6

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

6, 17, 23, 40, 63, 103, 166, 269, 435, 704, 1139, 1843, 2982, 4220, 4825

Why does _____ not belong in the pattern?

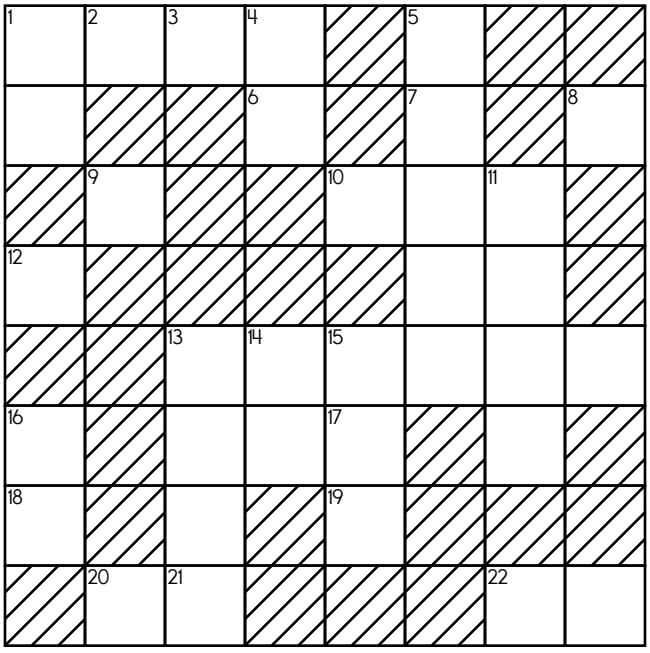
Name: _____

ACROSS

5. How many factors does 21 have?
6. The thousands in 7-Down
8. One-third of 4-Down
9. One-sixth of 4-Down
14. Its digits total 29
15. the thousands in 11-Down + the ones in 6-Across + the hundreds in 7-Down
16. The tens in 7-Down
18. What is the lowest common multiple of 8-Across and 18-Down?
19. **5**
20. 15
22. The factors of 24 are 1, 2, 3, 4, 6, 8, __, 24.

DOWN

1. One-third of 14-Down
2. One-ninth of 4-Down
3. What is the greatest common factor of 4-Down and 9-Down?
4. 3 + 15
7. eight thousand, nine hundred ninety-nine
9. One-fifth of 20-Across
10. How many factors does 10 have?
11. the ones in 19-Across + the hundreds in 7-Down + the thousands in 13-Down
12. Average of 10-Down and 5-Across
13. 18-Down plus 7-Down
14. 20-Across plus 4-Down
17. Nine more than 18-Down
18. Sum of digits of 20-Across
21. What is the greatest common factor of 25 and 45?



Name: _____

Some money will be divided in the ratio of 2 to 5. Four times the smaller amount is one thousand, eight dollars less than three times the larger amount. Nathan will receive the smaller amount and Isaac will receive the larger amount. How much will Isaac receive?

A rectangle, whose perimeter is one hundred fourteen feet, has a width that is seven feet shorter than its length. What is the area of the rectangle?

Kaitlyn has a total of one hundred forty-three pennies, dimes, and quarters. She has a total of $21.05. She has twenty fewer pennies than dimes and thirteen more quarters than dimes. How many of each coin does she have?

The average of two test scores is 74. The difference between the two scores is 8. What were the two test scores?

Jacob's basketball team scored thirty-two less than two times the number of points that Ashley's team scored. The sum of both teams' final points was 106. How many points did each team score?

Emma sees Kaylee $\frac{1}{2}$ of a mile away. Kaylee is riding her bicycle towards Emma at two miles per hour. How much time will it take Kaylee to reach Emma?

Name: _____

Jessica has a total of three hundred ninety-two pennies, dimes, and quarters. She has a total of $33.32. She has four times as many dimes as quarters and one-third as many quarters as pennies. How many of each coin does she have?

There are four consecutive odd integers. The sum of the second and third numbers is 160. What are the integers?

If a two-digit number was doubled, it would be twenty-two more than the number. The ones digit of the number is four less than three times the tens digit. What is the number?

When John is twenty-eight years older than he was when he was one-half his present age, he will be forty-seven less than three times as old as he is now. How old is John?

The sum of Samantha's age and Connor's age is nineteen. Connor is five years older than Samantha. How old is Connor?

William has 15 pounds of a mixture containing 75% Kenyan coffee and the rest Columbian coffee. He wants to adjust the blend to have 75% Kenyan coffee. If he can add a mixture, which contains 75% Kenyan coffee, how much should he add?

Name: _____

Computer sales at Big Company are down this year. In fact their net profit so far is -2,770,000 dollars (in other words, it is a loss, not a profit). Things are looking better for the company. In fact, Big Company just started making a profit of $226,000 per month. If the company can keep up this rate of monthly profit, how may months will it take to erase the loss plus show a net profit of at least $389,000?

Justin's soapbox racer completed a half-mile course in 4 minutes and 8 seconds. Gavin's car completed the same course in 3 minutes and 39 seconds. The average speed of Gavin's car was what percent of Justin's? Round your answer to the nearest hundredth of a percent.

Uh-oh, rats have moved into Mr. Bloop's backyard. If the colony has 6 members now but doubles in size every year, how many rats might there be in Mr. Bloop's backyard after four years?

Hunter is playing with a standard die. On his last roll he got a six. What is the probability he will get a six the next roll?

Name: _____

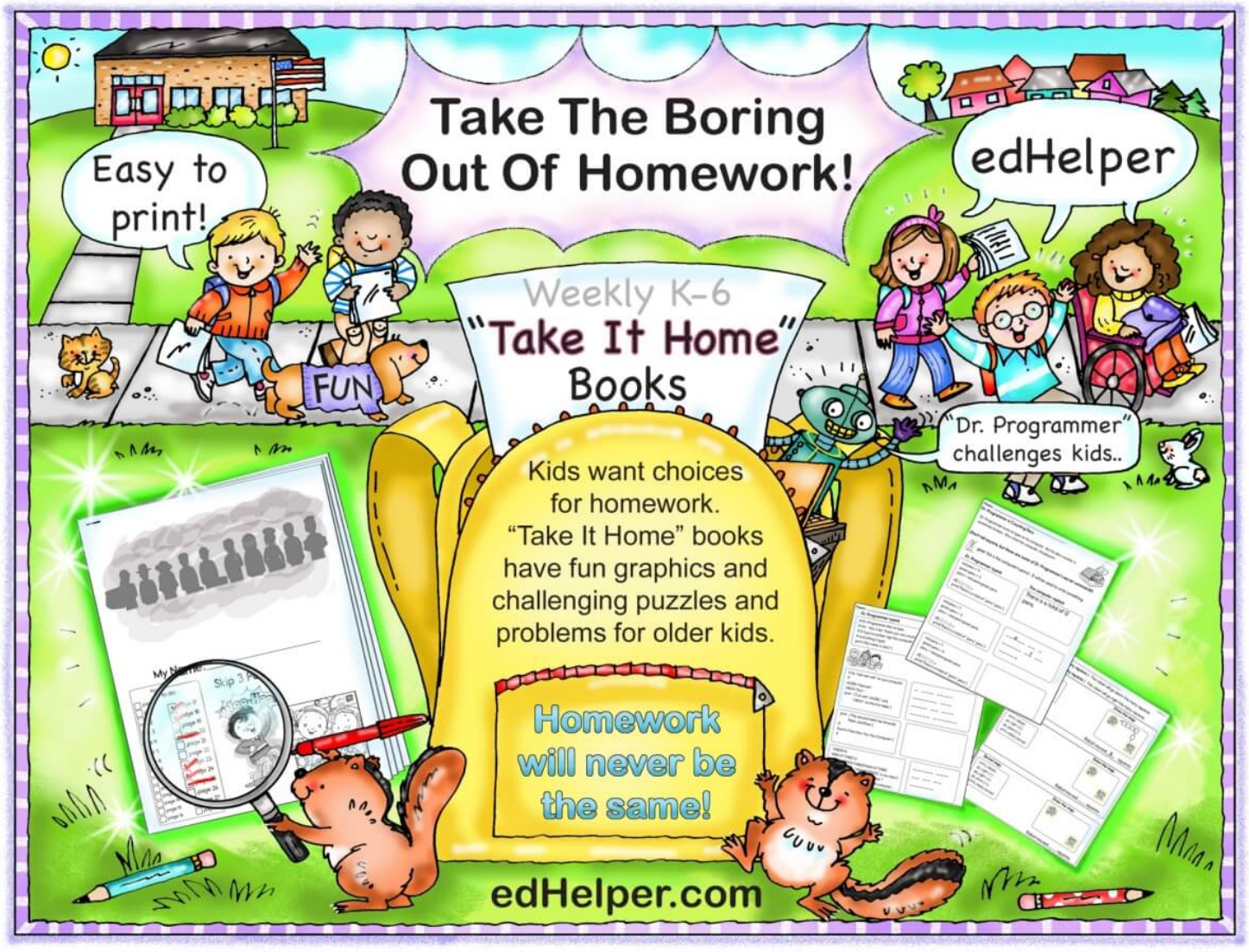
A coil of wire was found lying in the shipyard. Megan wondered if it would be enough to temporarily hold some steel plates in position while they were being welded. The wire was braided steel 1 cm thick. The coil was neatly wound in a single layer around a wooden spool 1.5 meters in diameter. The wire spanned a distance of 56 cm on the spool. She needed 287 meters of wire to do the job. Is the coil of wire long enough for her purposes?

In the Bigtown environmental studies lab, a technician is analyzing water from the local river. She is measuring the pesticide concentration in the water. She analyzes the sample 3 times and the pesticide concentration measurements are 0.03 mg/ml, 0.18 mg/ml and 0.13 mg/ml. What was the average of the three measurements? Round your answer to the nearest thousandth.

Seventy-nine people are trying out for the football team. Fifty-one will be selected for further consideration. How many will not be selected for further consideration?

If the ratio of saturated to unsaturated fatty acids in a cell membrane is 9 to 1, and there are a total of 74 billion fatty acid molecules, how many of them are saturated?


Where can I get more of this great stuff?
More math!
More spelling!
It's NO PREP at edHelper.
More history!
CLASS RULES
edHelper.com!
New online math games!
More things for the classroom!
More science!
New ideas!
More puzzles!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Name: _____

$$\begin{array}{r} 96 \\ +\ 93 \\ \hline \end{array}$$

Find the sum of 15, 19, and 39.

7 + 2 + 7 + 9 + 9 =

$$\begin{array}{r} 7 \\ 5 \\ 4 \\ +\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1{,}662 \\ 722 \\ +\ 678 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 2 \\ 8 \\ 3 \\ +\ 4 \\ \hline \end{array}$$

Find the product of 84 and 8.

$$\begin{array}{r} 842 \\ \times\ 56 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ \times\ 35 \\ \hline \end{array}$$

$2\overline{)162}$

$10\overline{)6561}$

Divide and write remainder.

$2\overline{)83}$

Divide and write remainder.

Name: _____

The sum of two numbers is $27\frac{4}{5}$.

If you take the first number and subtract it by the second, the difference is 13.

What are the two numbers?

Emma lives at the point (-5, -17). She wants to go to the closest mall. There are two malls on the map. Mall AA is at (-4, -9), and Mall BB is at (-5, -4). On the map she can only travel vertically or horizontally, one unit at a time. She cannot go diagonally. So she could go from (1,3) to (1,4) or (1,3) to (2,3), but not from (1,3) to (2,4). Which mall is closer to her?

Name: _____

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

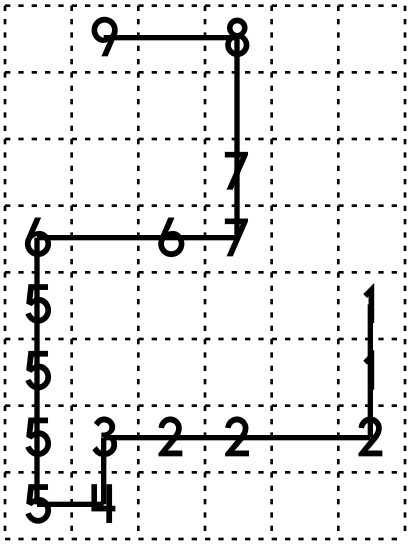
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

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

Draw exactly 8 lines.

Start on 1.

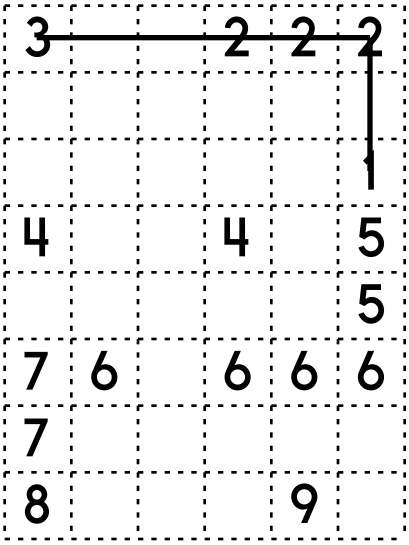
Do not pick up your pencil.



Draw exactly 8 lines.

Start on 1.

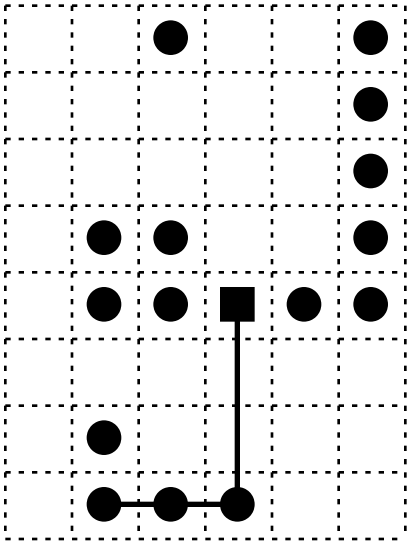
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

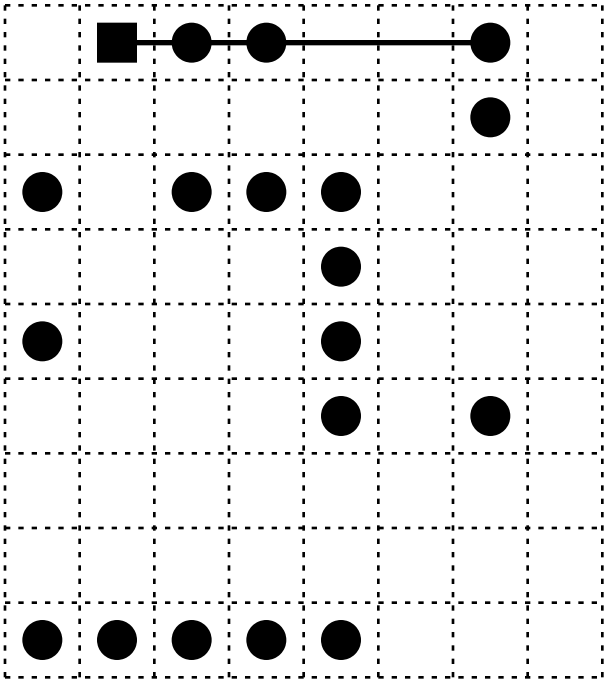
Do not pick up your pencil.



Draw exactly 7 lines.

Start on the square.

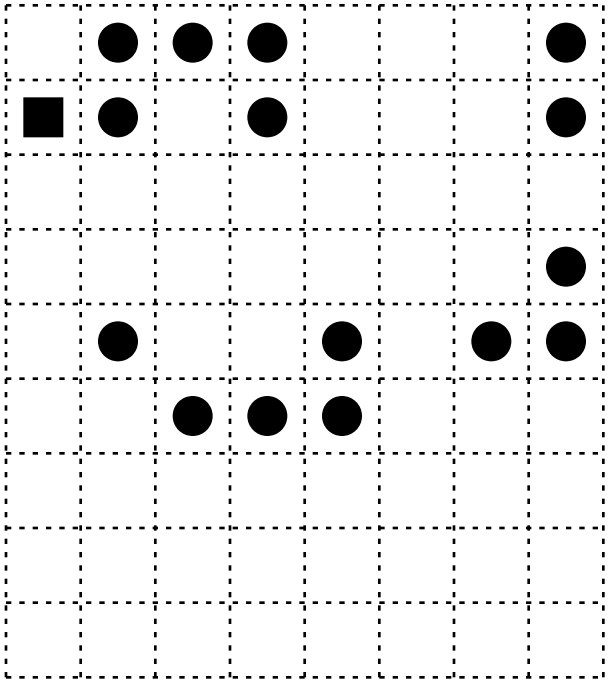
Do not pick up your pencil.



Draw exactly 9 lines.

Start on the square.

Do not pick up your pencil.



Name: _____

Use >, <, or = to complete.

-2.4 ___ 2.40

-5.2 ___ 5.3

-4.8 ___ -4.82

Use >, <, or = to complete.

-4.5 ___ -4.3

-5.8 ___ -5.80

-1 ___ -4

-20 - (3) =

-(26) - (-10) =

-19 - (3) =

(-4.7) (9.5) =

(-5.7) (-6.3) =

(8.1) - (2.5) - (1.4) =

(-9) (6) =

(12) (-6) =

(10) (-4) =

(-11) (-7) =

(-5) (-9) =

(-7) (7) =

Use >, <, or = to complete.

6 ___ -7

-9.6 ___ 9.60

2.3 ___ -2.38

(-11.2) (-8.9) =

(-12.3) (8.5) =

-20 - (12) =

-(29) - (-5) =

-27 - (9) =

Use >, <, or = to complete.

-9.8 ___ -9.6

-6.6 ___ 6.60

-2.73 ___ -2.7

(12.1) - (-4.2) - (-4.9) =

Use >, <, or = to complete.

-3 ___ 9

-5.2 ___ -5.8

-8.4 ___ -8.48

(9) (-12) =

(-5) (-10) =

(9) (-11) =

(8.3) - (3.6) - (1.9) =

Name: _____

-(-30) - (4) =

24 - (-10) =

23 - (-10) =

(-9.3) (-4.8) =

(-7.1) (9.5) =

Use >, <, or = to complete.

-9.4 __ 9.2

-2.6 __ 2.64

-1.70 __ -1.7

Write these numbers in order from least to greatest:

0, $\frac{3}{5}$, $3\frac{-1}{4}$, 5, $\frac{-1}{5}$

Simplify.

-(-3) _____

-($\frac{2}{6}$) _____

-($\frac{-3}{4}$) _____

Use >, <, or = to complete.

8 __ -2

-8.60 __ -8.6

-8.72 __ 8.7

22 - (-3) =

-23 - (3) =

-(-21) - (11) =

(9.8) (-6.2) =

(5.7) (-11.8) =

(9) (-7) =

(-5) (-7) =

(6) (-7) =

(10.6) - (-4.3) - (-1.1) =

Use >, <, or = to complete.

-7.8 __ 7.86

-2.4 __ -2.5

-7 __ -2

Simplify.

| -2 | _____

-| $\frac{2}{5}$ | _____

| 3 | _____

Name: _____

Sixty-one more than two-fourths of a number equals 81. What is the number?

Fourteen exceeds one-eighth of a number by 11. What is the number?

Four-fifths of a number equals 1,792. What is the number?

Nine times a number is 21. What is the number?

Eight times a number is 19. What is the number?

Two-sixths of a number equals 44. What is the number?

Name: _____

Four times a number, decreased by thirty-four, equals two. What is the number?

Thirteen less than a number is seven. What is the number?

12,000 and 400,000 added to a number is 1,377,310. What is the number?

Two-fifths of a number equals 628. What is the number?

438 exceeds five times a number by 98. What is the number?

Thirty-eight more than 6 times a number is 86. What is the number?

Name: _____

$7\overline{)6.454}$ $3\overline{)213.15}$ $5\overline{)1.9885}$

Rewrite $\frac{1}{10}$ as a decimal.

$|-10| + m = 15$

$m =$

$0.1\ (0.9\ (0.1 + 2)) =$

$(6 + 17) + 9 = 2(v + 10)$

What is the value of v?

$2 \times 52 \div 4 - 30 \div 6 =$

$3 \times 3 \times 3 = x^3$

What is the value of x?

$p - \$63 = \$30$

What is the value of p?

$|-13| - v = 15$

$v =$

Simplify.

$\frac{2{,}200}{7{,}700} =$

$6 \times 4 =$ _____

How many yards are in 24 feet?

_____ yards

Name: _____

A rectangle is twelve and two-thirds centimeters long. Its width is six and four-fifths centimeters. The length of this rectangle is how much longer than its width?

Megan figured out that 25% of 40% of 100 is equal to 10. "Whew!" she thought. "Just a simple multiplication equation once those percents are changed to decimals."
Make a multiplication equation to show that her answer is correct.

Wendy has 80 US dollars, but she wants to exchange her money for Euros. The bank has a sign that says 1 Euro = 0.95 US dollars. If she exchanges her US dollars into Euros, how many Euros will she get?

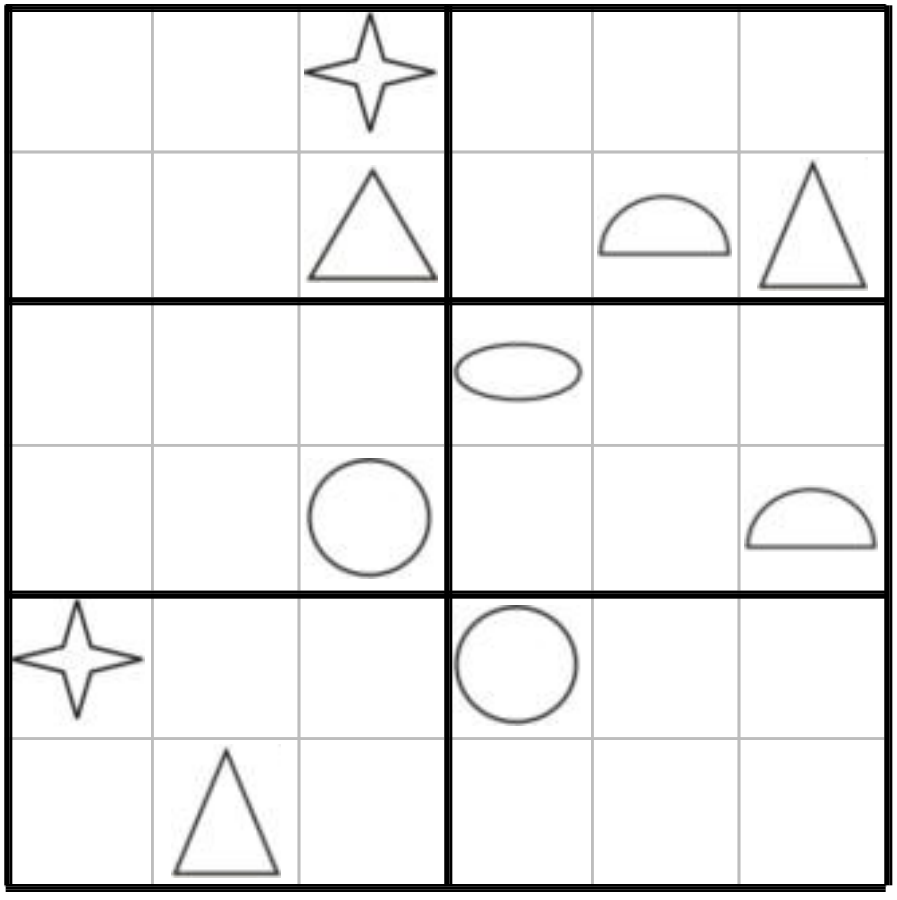
The sum of three consecutive even numbers is six hundred seventy-eight. What are the numbers?

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

5	1	6			
3	2	4	1	5	
	4				
			5	6	
		2		3	
	5			1	

Each row, column, and box must have 6 different pictures.



Name: _____

Sudoku Sums of 15

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 15.

Here is an example of a sudoku sum of 15: 8 7

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

What is the greatest common factor of 6, 15, and 24?

x - 6 = 6

What is the least common multiple of 12 and 9?

Name: _____

Each row, column, and box must have the numbers 1 through 9.

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

y = x + 12
y = 23
What is the value of x?

1 + (4 - 3) x 3 - 3

8 + 8 x 6 + 9

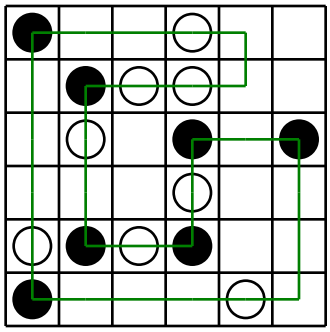
121 ÷ 11 = _____

1 lb = 16 oz

12 lb = _____ oz

30 ÷ 6 =

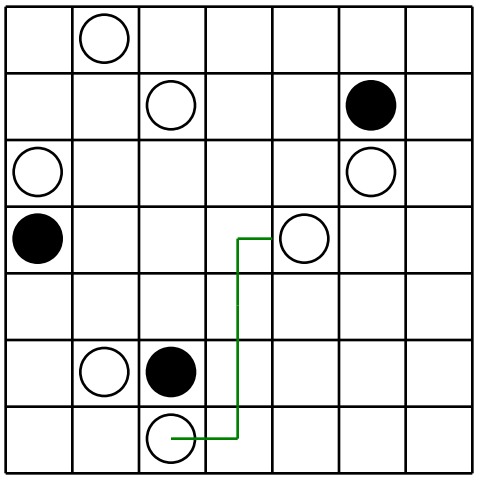
Name: _____



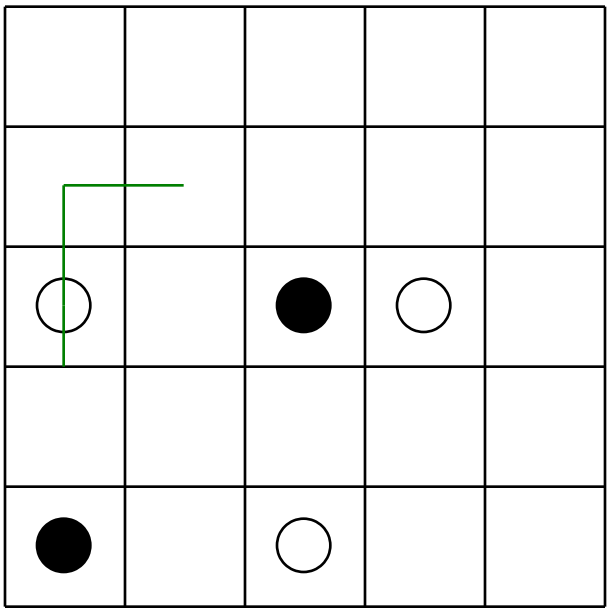
Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



13,646 + 38,966 = _____

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

_____

$$\begin{array}{r} 23 \\ +\ 47 \\ \hline \end{array}$$

Write an equation to represent this:

The sum of eight and nine is seventeen.

_____

What number is halfway between 5 and 15?

Write 5,424 in words.

_____

Name: _____

Draw a line to match each problem with the same answer.

75% of 60	45% of 100	30% of 40	28% of 200
20% of 55	26% of 200	92% of 100	46% of 200
80% of 65	70% of 30	40% of 140	16% of 75
14% of 150	22% of 50	18% of 50	45% of 20

4 + 4 + 6 =

What number is 401 less than 562?

Find the sum of 20, 16, and 41.

Each side of a regular pentagon is 81.4 centimeters. What is the perimeter?

What is the remainder of 111 divided by 15?

Use >, <, or = to complete.

68% ___ $\frac{2}{3}$

10% ___ $\frac{1}{10}$

$\frac{1}{2}$ ___ 78%

What is the area of a rectangle with a length of 56 centimeters and a width that is $\frac{1}{4}$ the length?

A circle graph has four sections. Only three sections are labeled. The labels are 22.68%, 13.61%, and 8.71%. What should the missing section be?

If x = 8, z = -9, and j = 11 then what is x - z • j?

Name: _____

Can you guess the word?

No duplicate letters can be used.

G	U	E	S	T

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

A	V	E	R	T

The letter V is in the word, but V 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.

W	H	O	S	E
S	A	T	I	N
S	T	U	C	K

B D F G J L M P Q R V X Y Z

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

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

Hint: There are no duplicate letters in the answer.

C	L	O	T	H
I	N	E	P	T
F	A	I	N	T

B D G J K 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!)

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

Hint: There are no duplicate letters in the answer.

S	I	X	T	H
M	O	N	T	H

A B C D E F G J K L P Q R U V W Y Z

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

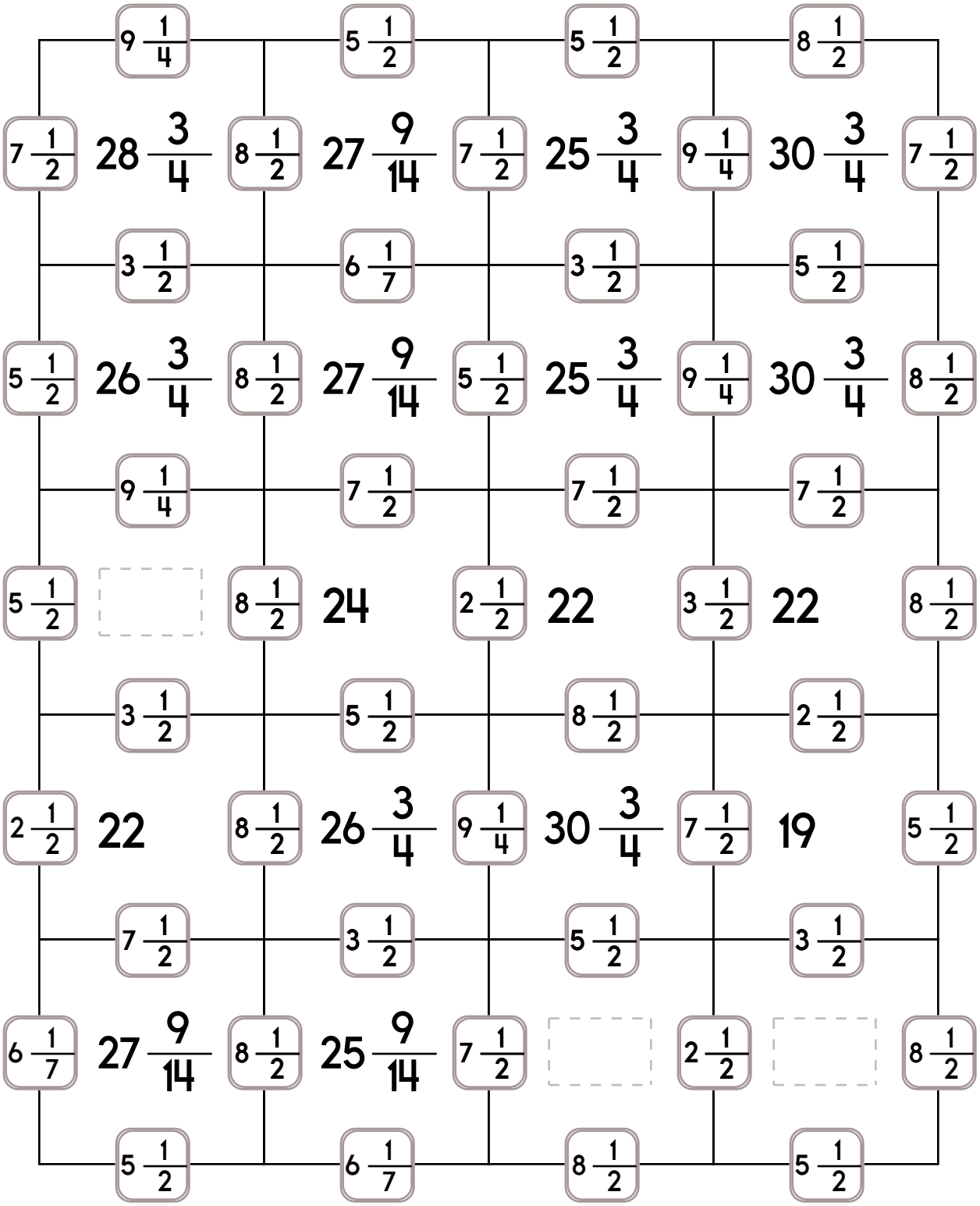
I T L C H C H X S X F O X H N F H Q T
O M M T O C N M N I F C H M Z L O P T
O I M M H L L T O I X L S L H S M T O
T L T N L X O O I N T T T O X H O T O
P Q T T H M T N T X T O H U T X C Z O
D T S H H T N Z F H U H S S H H T I V
H S I H Y T T O H H L H B T M U T J I
C K V H O H T H H H I F X H Z E R H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

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: $2\frac{1}{2}$, $6\frac{1}{7}$, or $9\frac{1}{4}$.

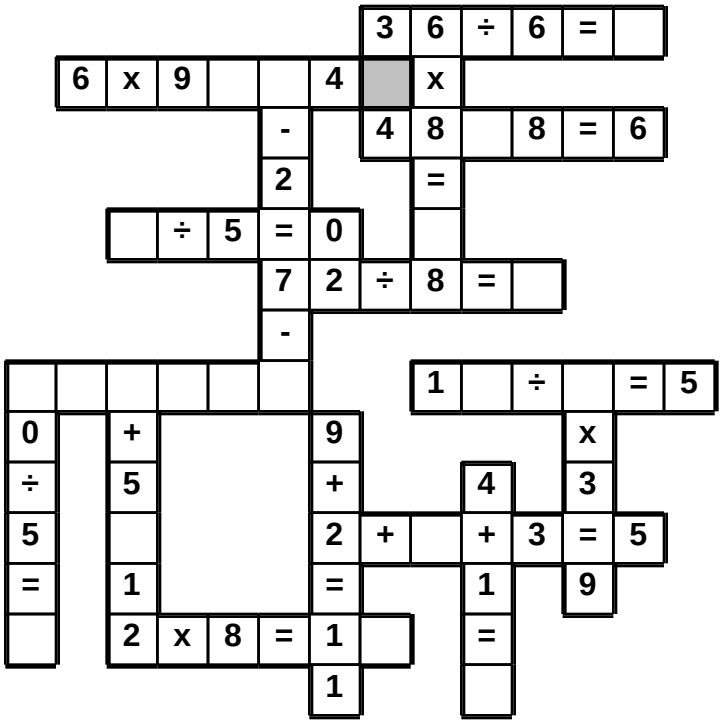
The other three numbers have to all be DIFFERENT and must be from these: $3\frac{1}{2}$, $8\frac{1}{2}$, $7\frac{1}{2}$, or $5\frac{1}{2}$.



Name: _____

6 • = • 5 • ÷ • 0 • 4 • 9 • 2 • x • 7 • = • 1 • 4 • 5 • 3 • = • 0 • 4 • 6 • 5

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



0.6 (0.3 (0.6 + 6)) =

Simplify.

$\frac{36}{48}$ =

Simplify.

$\frac{4,800}{16,800}$ =

(6 + 12) + 8 = 2(v + 9)

What is the value of v?

77 ÷ 11 x 11

In what quadrant would you find the point (-11, -2)?

Name: _____

Get a fidget spinner! Spin it. **I needed to spin _____ time(s) to finish.**

If t = -7 and h = 53 then what is the value of s?
10t + 10h - 2h = s

(7 + 13 + 8 + 14) =

2 + (21 ÷ 3) - 20 ÷ 4 =

What is the perimeter of a rectangle with a length of 36 centimeters and a width that is $\frac{1}{4}$ the length?

$\frac{2}{5} \div \frac{10}{15} =$

The letter V has an unknown value. If you multiply V by twenty, the product is four. What value does V have?

|-14| - x = 6

x =

9x - 13.1 = 67.9

x =

p - $51 = $30
What is the value of p?

Rewrite $\frac{11}{25}$ as a decimal.

773 ÷ 10

Circle the percentage that is closest to 32 out of 79:
27%
69%
53%
5%

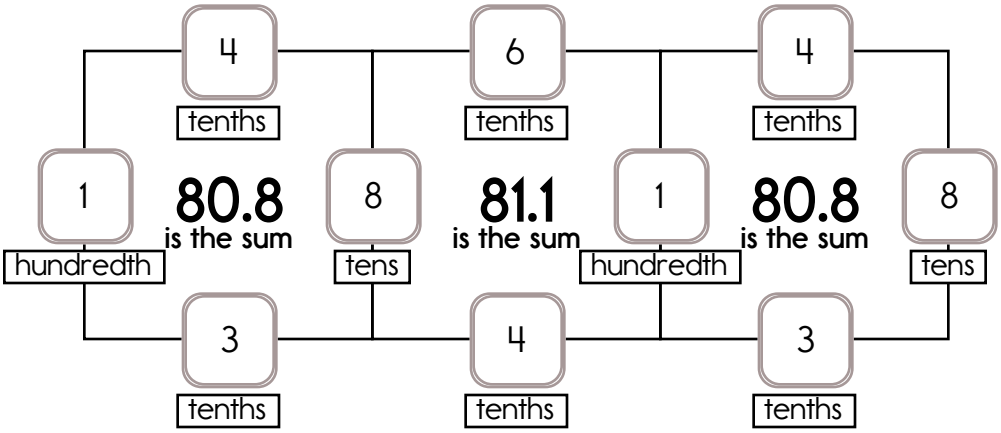
Name: _____

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

Example:
0.1 + 80 + 0.4 + 0.3 = 80.8

Example:
0.1 + 80 + 0.4 + 0.3 = 80.8

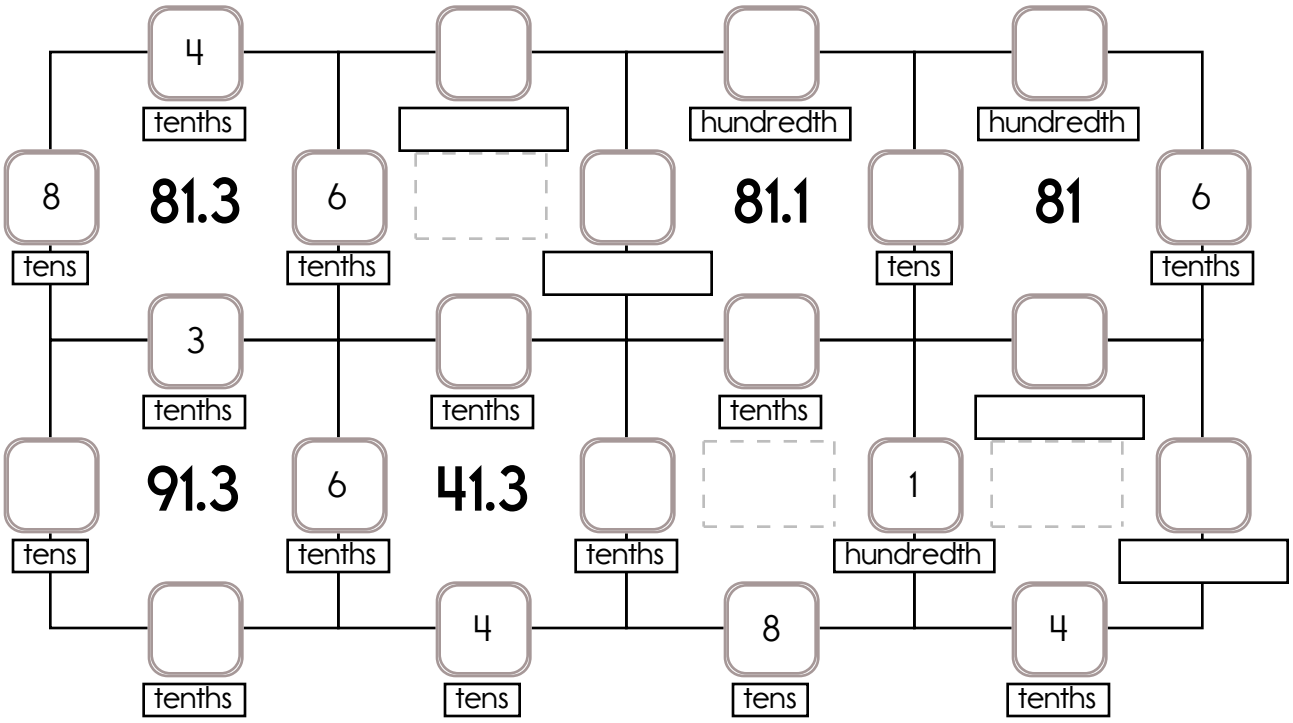
Sample:



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: 9 tens, 8 tens, or 4 tens.

The other three numbers have to all be DIFFERENT and must be from these: 6 tenths, 1 hundredth, 4 tenths, or 3 tenths.



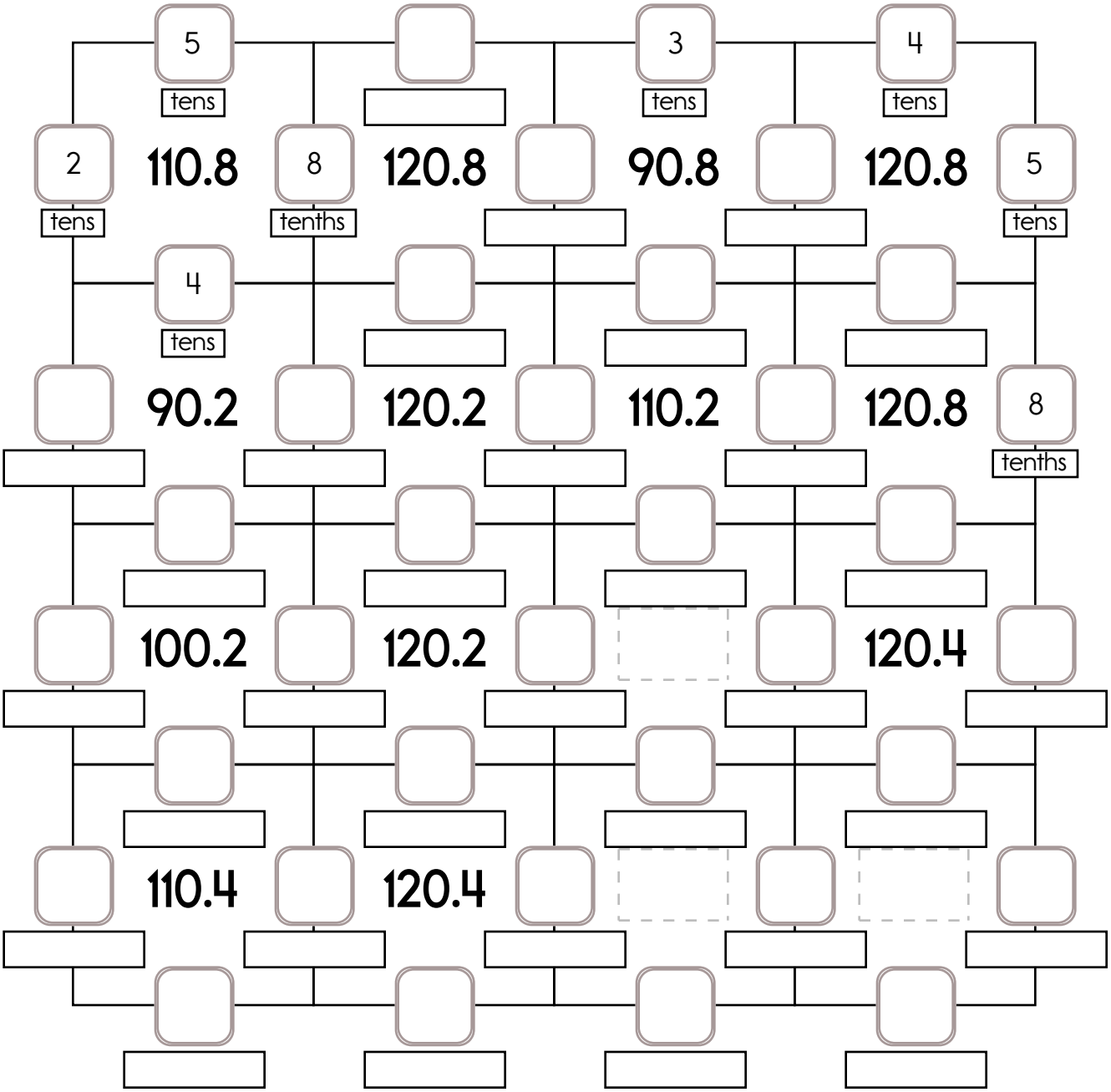
4 ÷ 2 =

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: 4 tenths, 2 tenths, or 8 tenths.

The other three numbers have to all be DIFFERENT and must be from these: 3 tens, 2 tens, 5 tens, or 4 tens.



28 kg = g

45 ÷ 9 =

Circle the digit in the hundredths place.

759.89

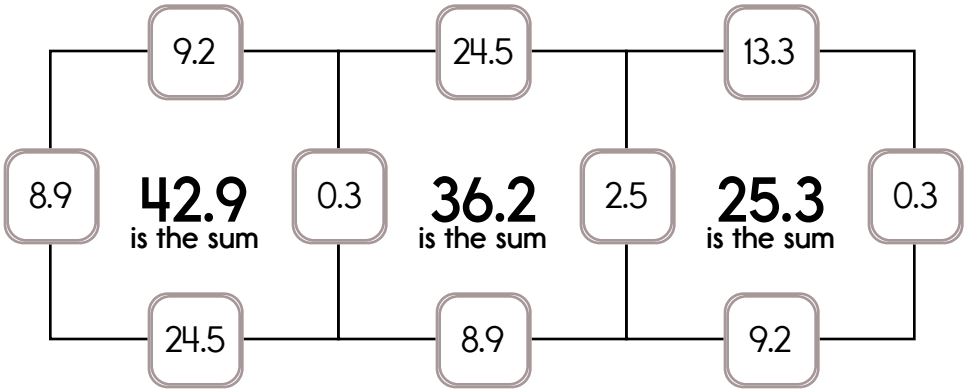
Name: _____

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

Example:
8.9 + 0.3 + 9.2 + 24.5 = 42.9

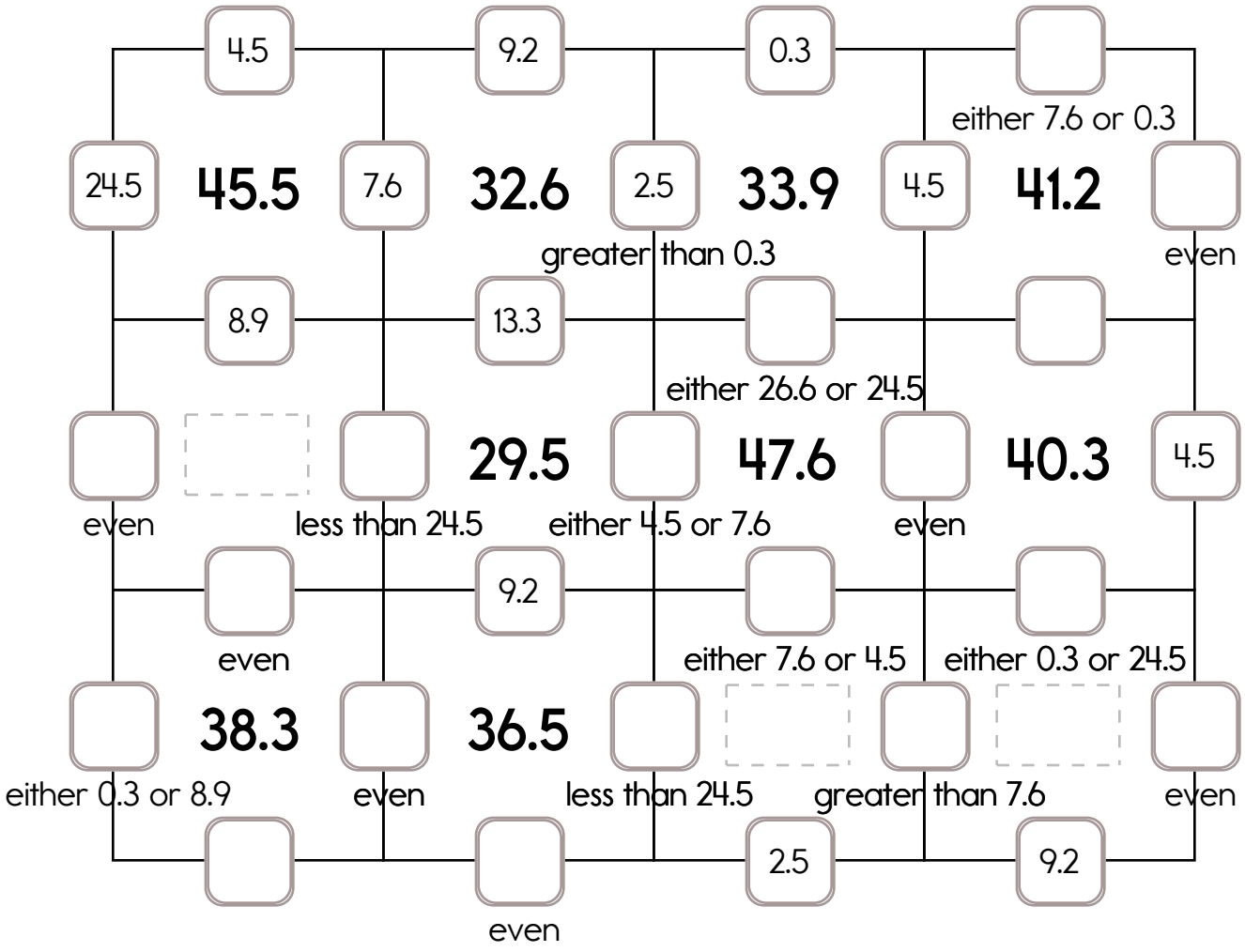
Example:
2.5 + 0.3 + 13.3 + 9.2 = 25.3

Sample:



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

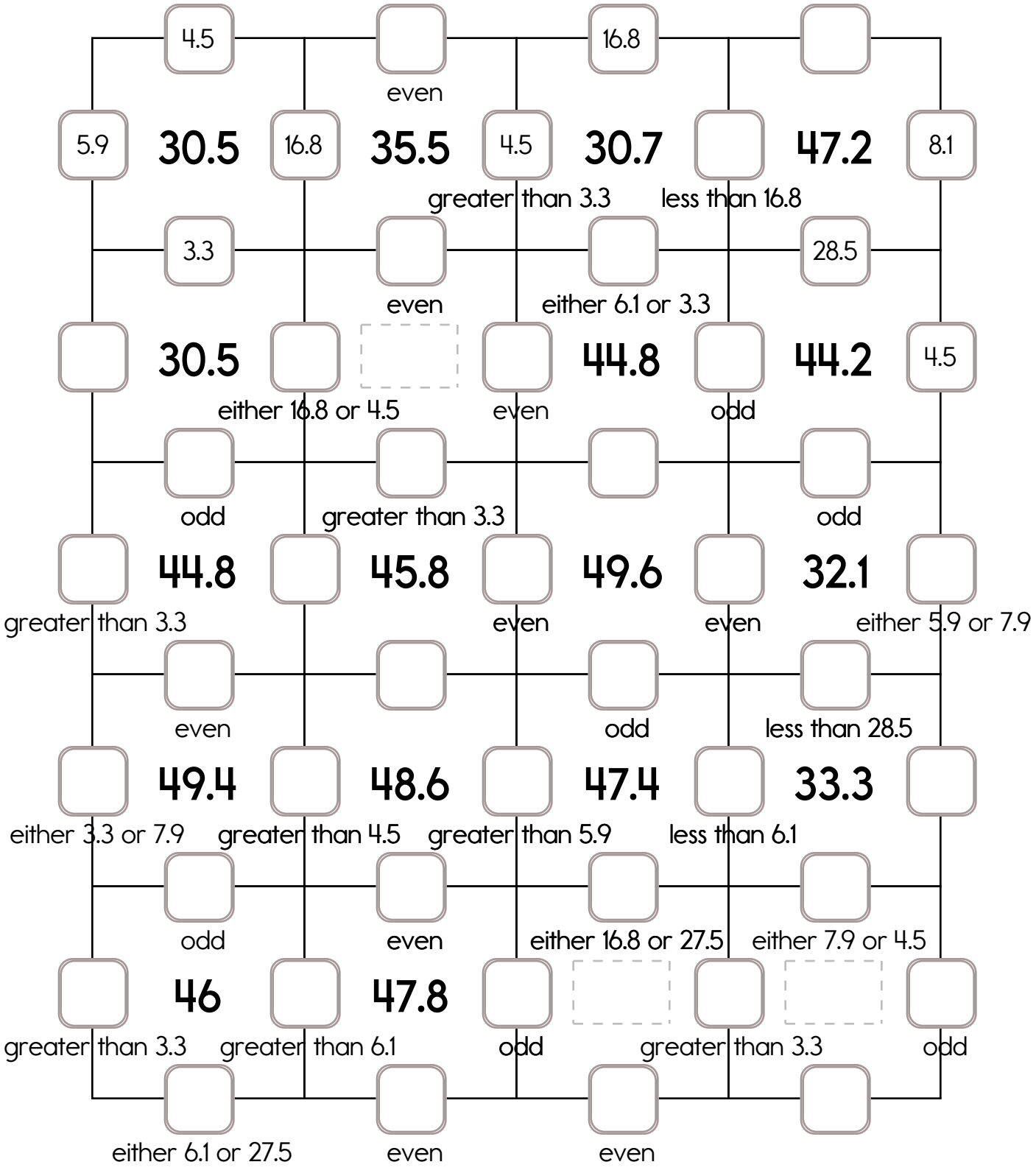
Exactly one of the four numbers has to be one of these numbers: 24.5, 26.6, or 13.3. The other three numbers have to all be DIFFERENT and must be from these: 7.6, 8.9, 2.5, 4.5, 9.2, or 0.3.



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: 27.5, 28.5, or 16.8. The other three numbers have to all be DIFFERENT and must be from these: 6.1, 3.3, 5.9, 7.9, 8.1, or 4.5.



Name: _____

Brandon has twelve more quarters than pennies. Brandon has a total of seventy-eight pennies and quarters. How much money does he have?

Jessica has a total of two hundred fifty-two coins. She has four times as many nickels as dimes and one-half as many dimes as quarters. How much money does she have?

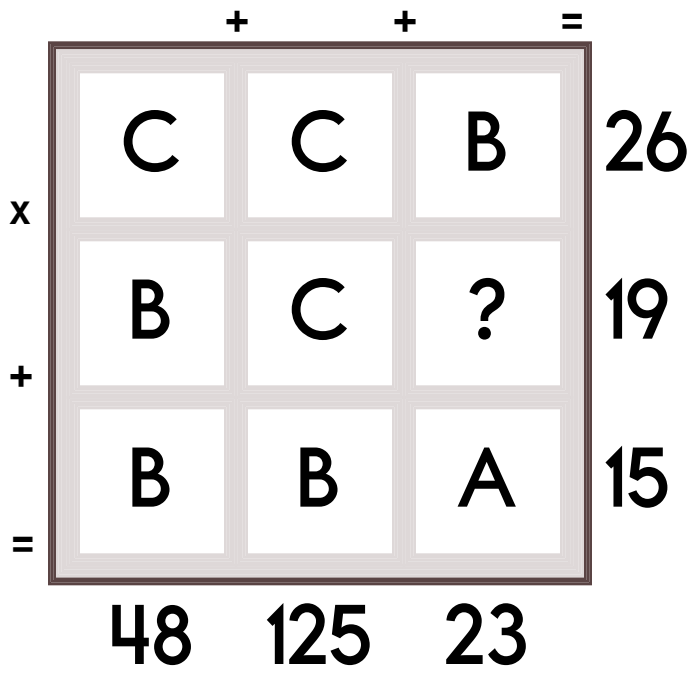
Nathan has four times as many quarters as pennies and three times as many nickels as pennies. Nathan has a total of sixty-four pennies, nickels, and quarters. The total value of the coins is $9.27. How many of each coin does he have?

Hailey took a certain number of dimes from Kyle. She then gave Kyle the same number of quarters in return. Hailey had $0.90 more than she had before the exchange. What was the number of quarters that Hailey gave Kyle?

The value of a mix of Ashley's nickels and quarters is $4.65. If the quarters were replaced by pennies, the value would be $1.05. How many of each coin does she have?

Jason has $14.41 in quarters and pennies. Jason has fifteen more pennies than quarters. How many of each coin does he have?

Name: _____



Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

C x B + B = 48 ___ + C + B = 26 ___ + ___ + ___ = 15

___ x ___ + ___ = 125

Additional hints:

C > 1 A = B + 3

Show Work:

Solve:

? = ___

Name: _____

$8 - \frac{1}{2} + \frac{1}{7} =$

$3 - \frac{2}{5} - \frac{4}{11} =$

$14 + \frac{2}{3} + \frac{5}{11} =$

Find the least common denominator.

$\frac{2}{6}$ and $\frac{4}{7}$

Reduce each fraction to its lowest terms.

$\frac{24}{56} =$

$\frac{4}{28} =$

$\frac{12}{30} =$

$\frac{8}{72} =$

$\frac{4}{12} =$

$\frac{35}{80} =$

$$5\frac{6}{11}$$
$$+\ 6\frac{2}{3}$$

Write the reciprocal.

$\frac{1}{3}$

Write the reciprocal.

$\frac{9}{2}$

Write the reciprocal.

$\frac{14}{19}$

$2\frac{1}{2} \div 2\frac{5}{7} =$

$3\frac{4}{5} \times 3\frac{1}{4} =$

$\frac{8}{11} \times \frac{3}{7} =$

Name: _____

Mr. Bloop had a box of holiday cards to send to his friends. Two-fifths of the cards were already put in envelopes. What fraction of the cards were not yet in envelopes?

How can you tell if an image is a reflection of a given figure?

The Great Ralconi performs approximately 9 magic shows per month for half the work-year and does 18 shows a month for the other half. He takes two months of vacation per year. About how many shows a year does he do?

Anna erected a fence that covered an area in the shape of a trapezium. The sides were all some multiple of a given unit (z). If the side lengths were z, 1.2z, 2.2z and 3z, how long was the fence if z was equal to 10 feet?

Jack has some tokens to spend at the local arcade. There are 4 pinball machines, 5 video games, and 2 table games to choose from. If he wanted to play one of each, how many ways could he choose?

The sales tax in a small Texas town was 5.1%. Amanda was passing through the town one day and went into a convenience store to buy a soda. The soda was $1.85 plus tax. How much did she pay (including tax)?

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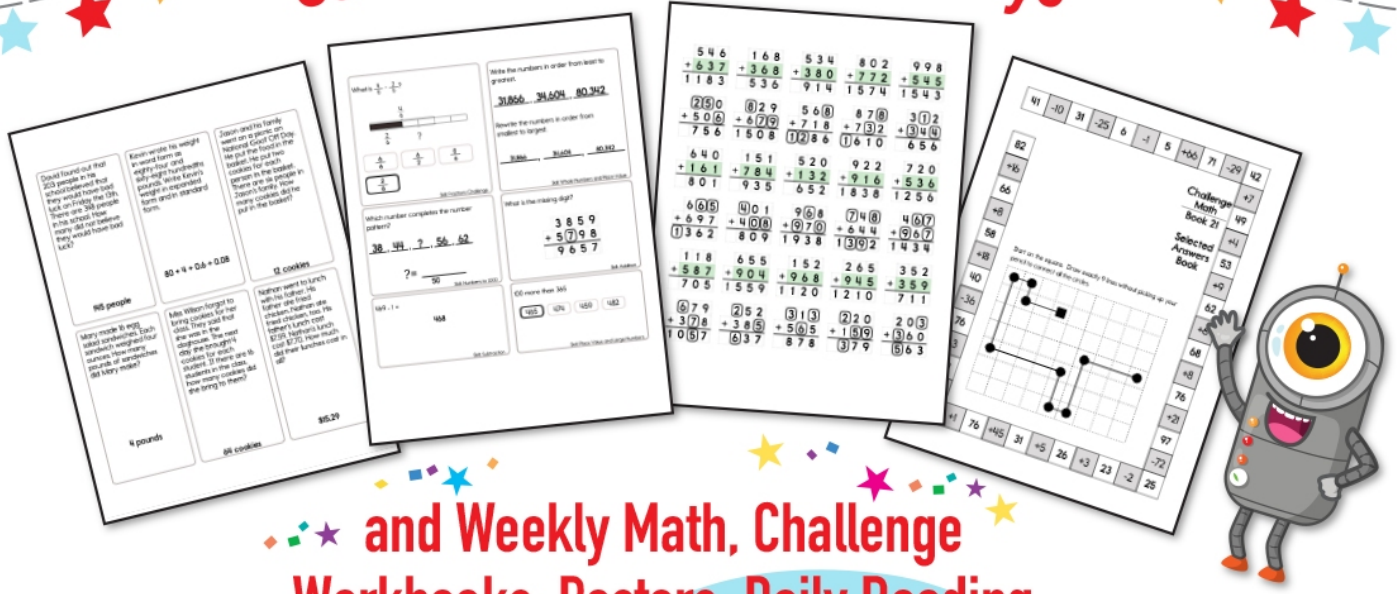

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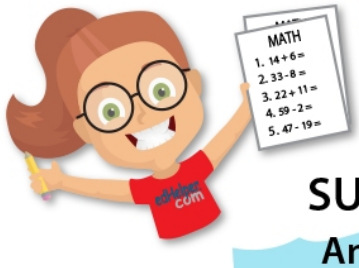

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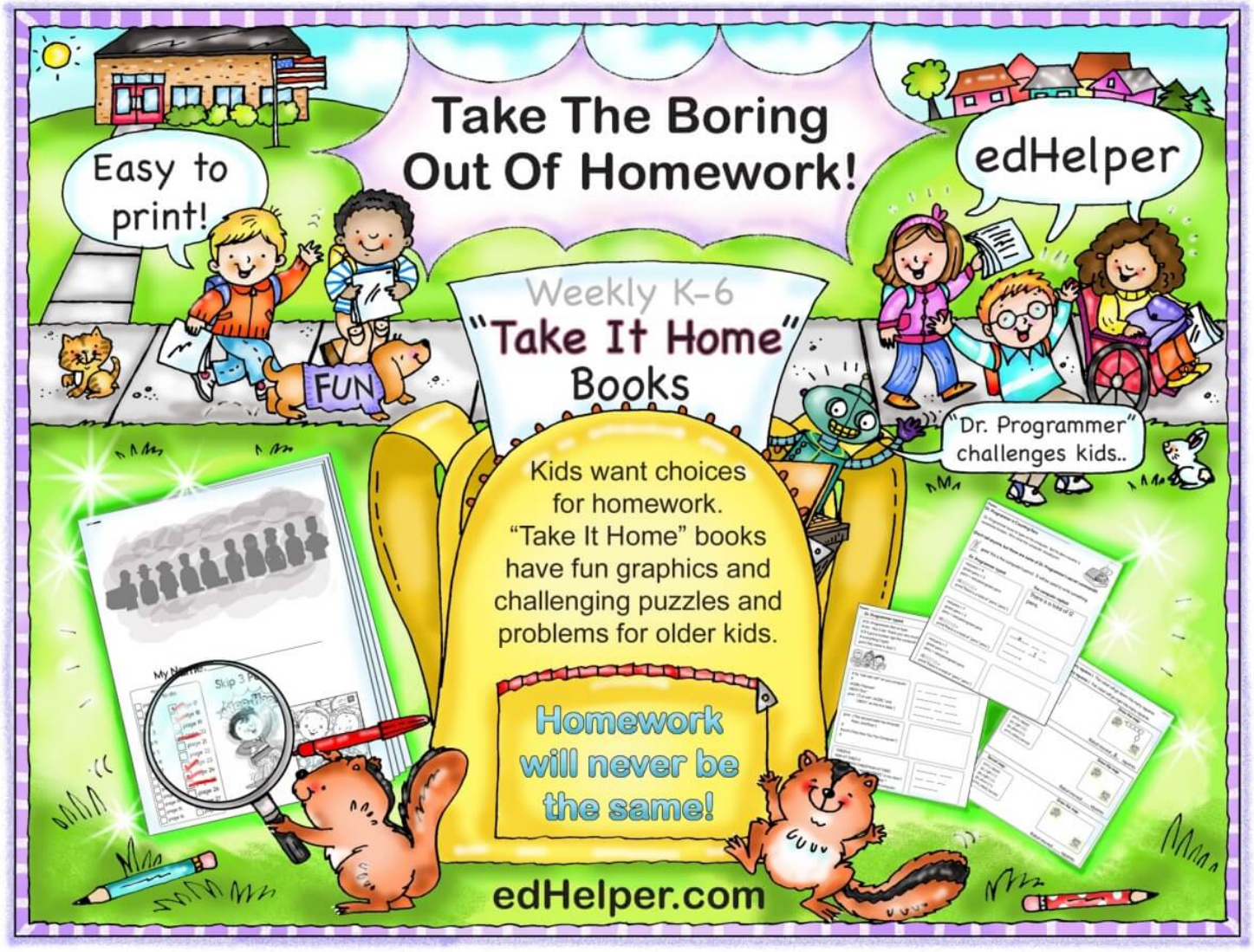
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