

Name: _____

Find the way from START to END by passing through EVERY number that is a multiple of thirteen exactly ONCE. Cross off each box that is NOT a multiple of thirteen. Yes, that means you have to go through ALL the multiple of thirteen boxes. Wow!

You are not allowed to go diagonally. Good luck!

START	286	182	663	624	208	936
263	536	179	127	598	52	793
448	222	90	230	923	0	845
929	5	308	927	702	494	741
220	753	587	560	416	78	823
806	624	520	507	26	143	280
156	254	936	832	728	676	338
312	884	494	533	273	468	78
117	325	117	793	663	169	294
819	689	767	26	13	507	END

Name: _____

Mental Math

— #1 —

☐ Start with the number 6.

6

☐ Increase that number by 17.

5 0 1 5 7 3 2 3 3 2 (Circle your answer to double check you are correct.)

☐ Multiply the tens digit by the ones digit. The product is your new number.

6 0 7 6 1 9 3 2 4 3

☐ Multiply by 7.

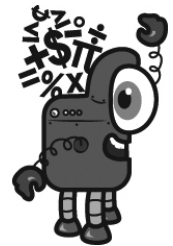
4 7 9 7 4 2 5 8 8 6

☐ Add the digits in your number. The sum of that is your new number.

5 0 3 6 2 1 6 1 7 5

☐ Add half of 56.

8 3 4 9 2 1 4 8 5 0



Mental Math

— #2 —

◆ Start with the product of 10 and 2.

9 1 4 3 2 5 3 2 0 5 (Circle your answer to double check you are correct.)

◆ Increase that number by 4.

1 6 2 4 3 1 4 4 7 4

◆ Find one-sixth.

4 6 5 9 3 9 8 7 4 5

◆ Multiply by 6.

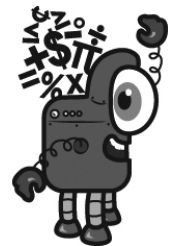
3 9 8 2 5 2 4 3 6 1

◆ Add 26.

7 5 0 5 9 5 6 5 5 2

◆ Divide by 10.

7 0 5 1 1 4 2 9 9 1



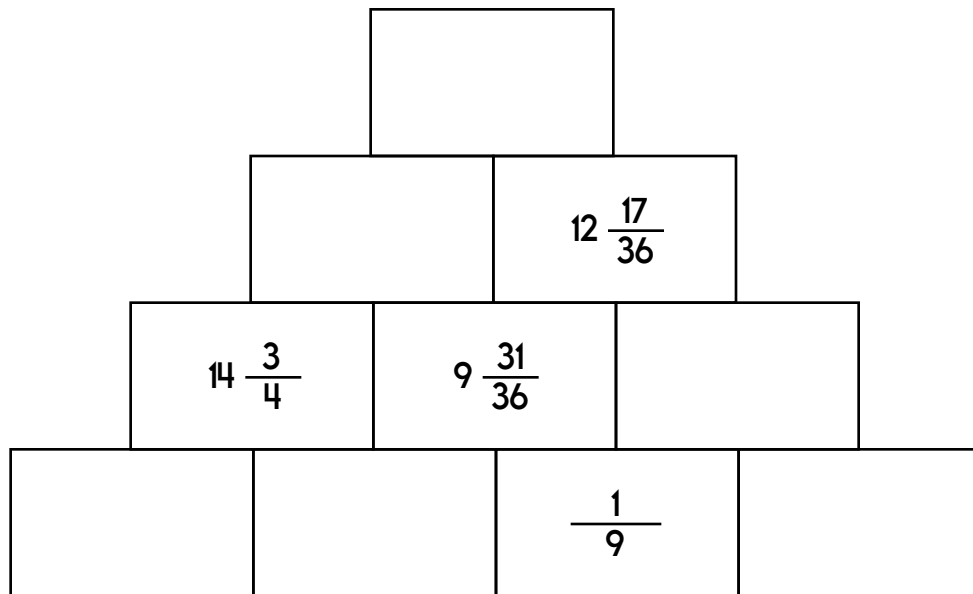
Name: _____

Maria made three dozen blank cards to use when she wanted to write a compliment to someone. She spent \$7.99 for materials. At that price, how much would it have cost her to make one dozen cards?

Everyone was making a poster about forgiveness for Let It Go Day. Justin wanted his to be a little different. He decided to make it round. If his poster has a radius of four inches, what will the circumference of the circle be?

Zeeka has invented a new space vehicle to go from his home planet of Zomba to his friend's planet of Oomba. It is a fun ride! It can fly at a speed of 540 mph. How far will it go in 20 minutes?

Jen is really into science. She invented a robotic bug that burps. Her brother loves it, so she wanted to burp her brother today. She checked her phone, and her brother is currently 2.5 miles away. After she set the coordinates on the phone the robotic bug left. She got a burp confirmation 180 seconds later when it reached her brother. How fast did this burping bee travel in miles per hour?

[illegible]

$27 \div 9 = \underline{\hspace{2cm}}$	$(9 + 3) + 2 =$	$\begin{array}{r} 619 \\ - 311 \\ \hline \end{array}$
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Name: _____

<p>Amanda is drawing a mural of the night sky on black poster board with white chalk. If she uses up a stick of chalk at the rate of one stick every ten minutes, and she works on her mural from 7:24 a.m. until 9:04 a.m., how many sticks of chalk will she use?</p>	<p>Connor and his two friends wrote a list of things they love about America. Connor has twice as many reasons on his list as Kevin. Kevin has 12 reasons on his list. Kevin has 3 times as many reasons on his list as Gavin. How many reasons do they have in all?</p>	<p>Mr. King, a peanut farmer, has one hundred thirteen rows of peanut plants. If there are twenty-three plants in each row, how many peanut plants does he have?</p>
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<p>Ava rolls two dice. What is the chance of her rolling a 1 on one die and a 1 on the other die?</p> <p>_____</p>	<p>Circle the digit in the hundredths place.</p> <p>592.34</p>	$\begin{array}{r} 49 \\ - 23 \\ \hline \end{array}$
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<p>April rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being nine?</p>	<p>$377 + 757 =$ _____</p>	$\begin{array}{r} 37 \\ + 34 \\ \hline \end{array}$
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<p>$5 \times 3 =$ _____</p>	<p>Three fancy pens cost \$15. At that rate, what is the cost of 9 fancy pens?</p>	<p>24 cm = _____ mm</p>
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<p>How many yards are in 15 feet?</p> <p>_____ yards</p>	<p>$7,636 - 6,175 =$ _____</p>
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Name: _____

What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum	Make a Word	Sum
<div>1 2 4 6 10 14</div> <div>S C O O T E R S</div>	37	<div>1 2 4 6 12 18</div> <div>A R </div>	
<div>1 2 6 10 16</div> <div>S O </div>		<div>1 2 4 6 12 18</div> <div>R O </div>	
<div>1 2 4 6 8 12 18</div> <div>O </div>		<div>1 2 4 6 8 12 18</div> <div> R </div>	
<div>1 2 4 8 14</div> <div>B L </div>		<div>1 2 4 6 12 18</div> <div>T O </div>	
<div>1 2 4 6 10 16</div> <div>S U </div>		<div>1 2 4 6 10</div> <div>U N </div>	

$108 \div 12 =$

Holly told Rose that she multiplied two consecutive whole numbers and the answer is 182. Rose doesn't believe that is possible. She thinks Rose must have multiplied wrong. Who is correct?

$99 \div 11 =$

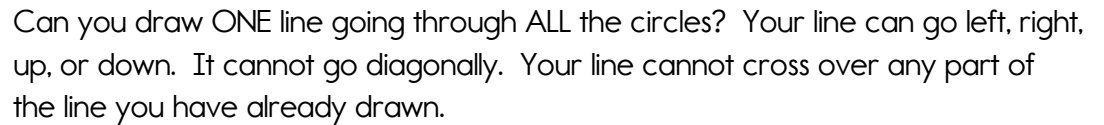
$$\begin{array}{r} 216 \\ + 221 \\ \hline \end{array}$$

$24 \div 6 =$

In the number 19,695,376, the digit 3 is in what place?

word root **fum** can mean **smoke**

fume, fumigate



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

A 6x6 grid world environment. The grid contains several obstacles represented by black circles. A green path is shown, starting from the bottom-left cell (row 5, column 1) and ending at the cell (row 3, column 4). The path consists of the following cells: (5,1), (5,2), (4,2), (4,3), (3,3), (3,4). Obstacles are located at (1,2), (2,5), (3,3), (3,4), (4,2), (4,5), (5,1), (5,2), (5,4), (5,6), (6,1), (6,6).

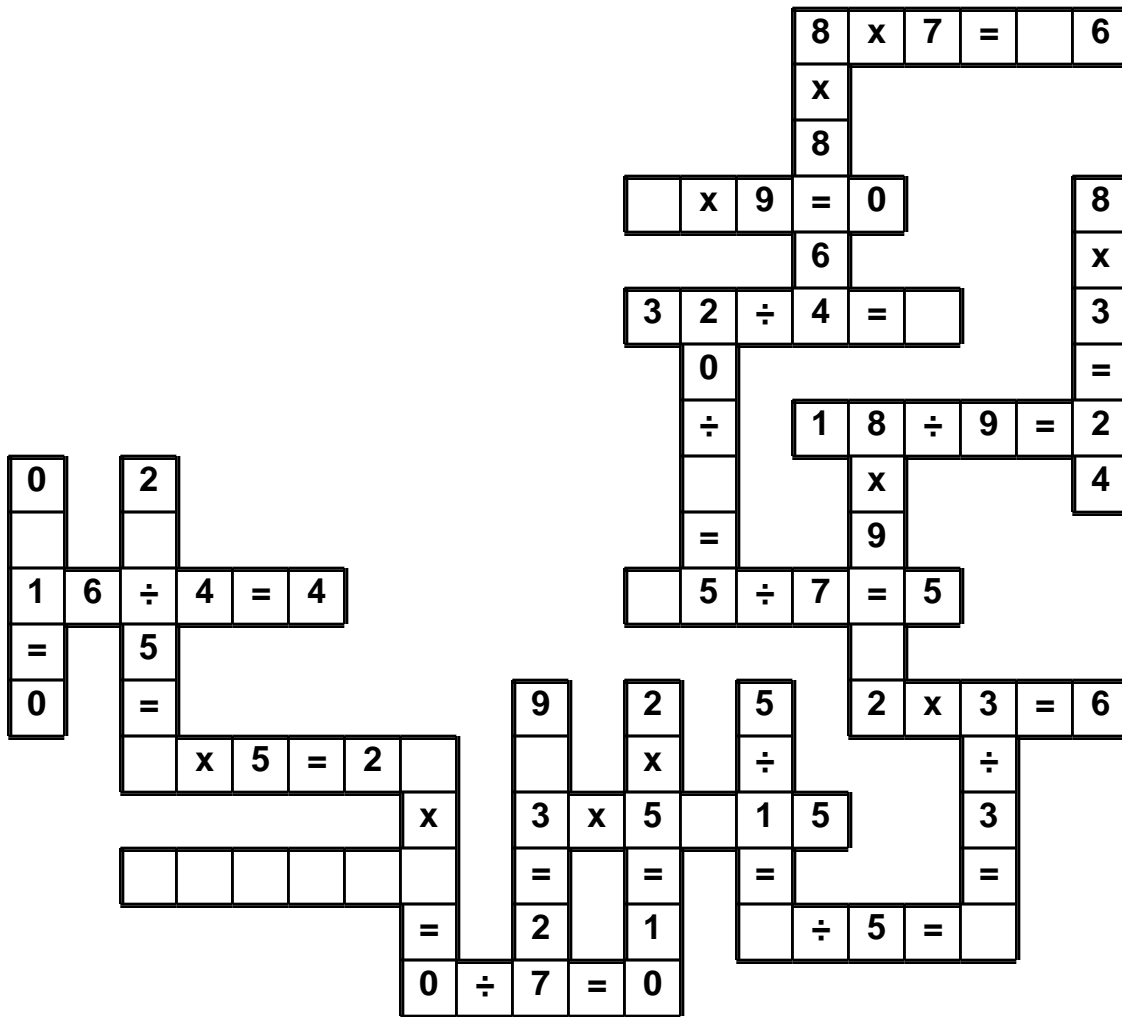
A 5x5 grid world environment. The robot is at (4,4) (black dot). The goal is at (1,4) (circle with a dot). Obstacles are at (2,1), (3,1), (3,3), and (4,1) (black dots). A green path is shown from the robot to the goal, moving left from (4,4) to (1,4).

 $2 \times 6 = \underline{\hspace{2cm}}$

Name: _____

5 • 0 • 8 • 4 • ÷ • 0 • 3 • 7 • 4 • 0 • x • = • 2 • 1 • ÷ • 3
= • 7 • 5 • 1

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



1 kg = 1,000 g

25 kg = _____ g

Circle the addition property
for $49 + 182 = 182 + 49$.

associative property
commutative property

$12 \times 5 =$ _____

Name: _____

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

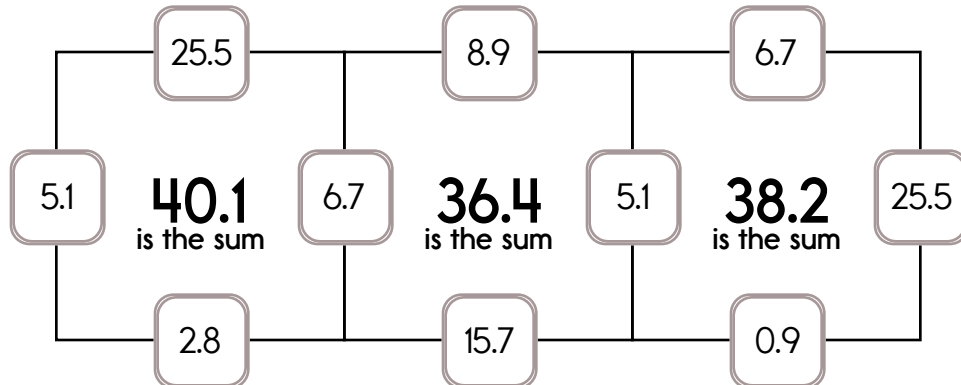
Example:

$$5.1 + 6.7 + 25.5 + 2.8 = 40.1$$

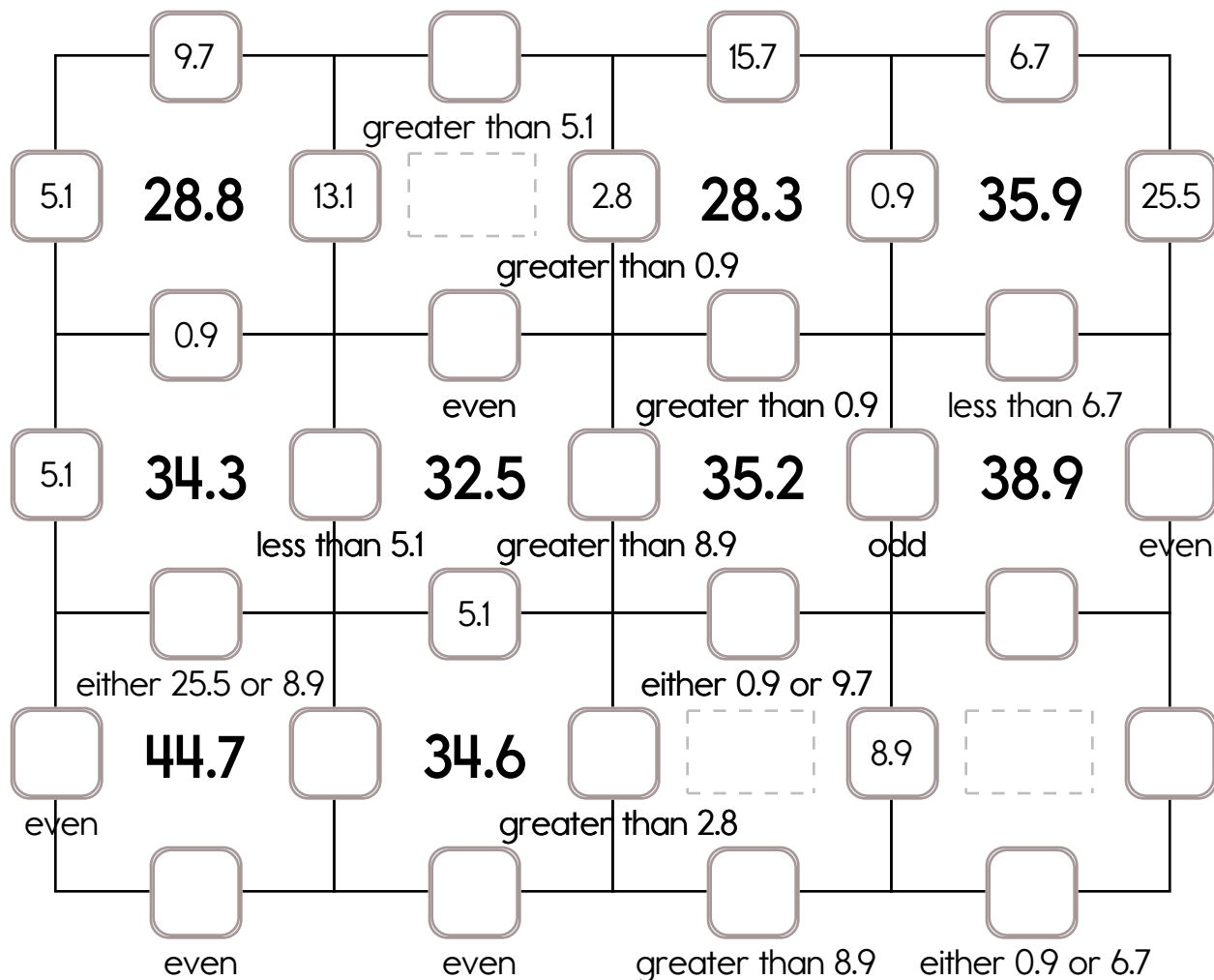
Example:

$$5.1 + 25.5 + 6.7 + 0.9 = 38.2$$

Sample:

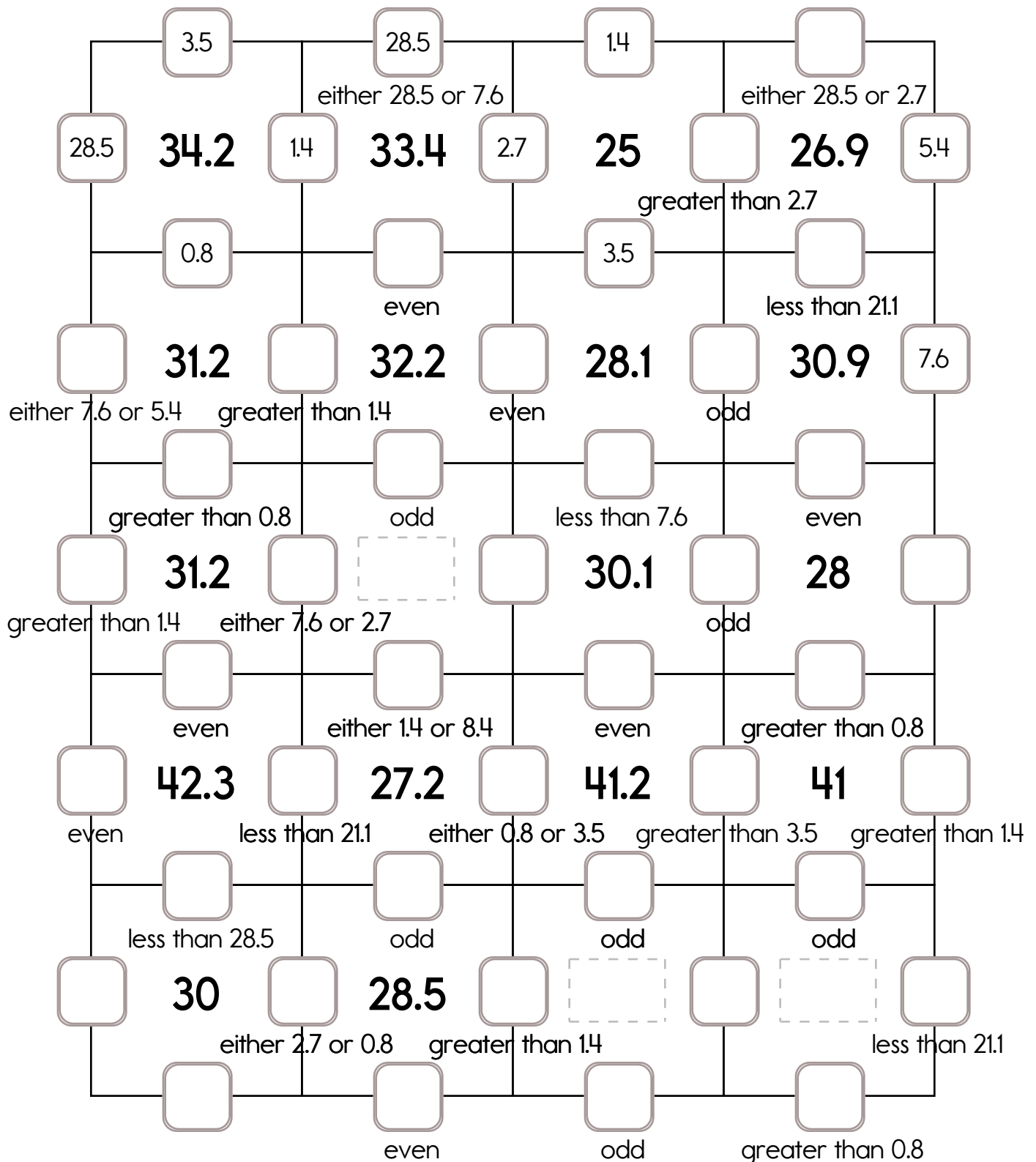


Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 15.7, 25.5, or 13.1. The other three numbers have to all be DIFFERENT and must be from these: 5.1, 6.7, 9.7, 2.8, 8.9, or 0.9.



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: 17.4, 28.5, or 21.1. The other three numbers have to all be DIFFERENT and must be from these: 1.4, 8.4, 7.6, 3.5, 2.7, 5.4, or 0.8.



Name: _____

Connor has a large collection of nickels, dimes, and quarters. He only wants to keep his quarters, so he gave away his nickels and dimes to his 3 friends. He gave \$10 to Robert, \$10.44 to Peter, and \$9.60 to Max. Wait! One of those amounts he counted is wrong. Which of the amounts did he count wrong and how do you know?

Show how you would use pennies, nickels, dimes, or quarters to make the amount shown. Try to use the fewest number of coins.

a. \$0.14

b. \$0.30

c. \$2.75

a. What whole number when doubled is 55 less than when it is tripled?

b. What whole number when multiplied by 7 is 156 less than when multiplied by 13?

Find two consecutive numbers that have a sum of 127.

Find three consecutive numbers that have a sum of 81.



Name: _____

Get a fidget spinner! Spin it.

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

Circle the greatest amount:

12%

0.50

$\frac{8}{25}$

$$t - 9 + t = 29$$

What is the value of t ?

If $t = -8$ and $g = 17$ then
what is $6t - 14g + 4g = ?$

Rewrite as an algebraic
expression or equation.

Five more than t tripled is
ninety-three.

15, 17, 21, 27, 35, 45,

57, 71, _____, 105, 125,

147

Simplify.

$$\frac{3,900}{5,200} =$$

$$(4 + 5 + 6 + 15) =$$

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

$$4 \times 4 \times 4 \times 4 = 4^x$$

What is the value of x ?

In what quadrant would
you find the point $(-9, 7)$?

$$\text{If } 4x = 56, \text{ then } x =$$

What is the remainder of
39 divided by 5?

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.

12+ 3		5+		8+
	8+	6+ 2	3-	
1				
5	5+		3	7+
		1-		

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

$$\underline{\quad} - 2 = 3$$

$$\underline{\quad} + \underline{\quad} + 2 = 5$$

$$3 + \underline{\quad} + \underline{\quad} = 12$$

$$5 - \underline{\quad} = 1$$

$$\underline{\quad} + \underline{\quad} + 5 = 8$$

$$2 + \underline{\quad} + \underline{\quad} = 6$$

$$\underline{\quad} + 3 = 7$$

$$4 + \underline{\quad} = 5$$



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