

Name: \_\_\_\_\_

Which of the following has the smallest value?

- A) 0.0126930
- B) 0.012629
- C) A and B are equal.

$2 \times 60,000 =$

- A) 126,000
- B) 120,000
- C) 110,300
- D) 190,500

$6.76 + 88.3 + 4.6 + 99.6 =$

- A) 181.871
- B) 171.634
- C) 499.26
- D) 199.26

What is 0.68571 rounded to the nearest hundredth?

- A) 0.68
- B) 0.69
- C) 0.7

Which answer lists all the factors of 18?

- A) 1, 2, 3, 6, and 9
- B) 3 and 6
- C) 2, 3, 6, and 9
- D) A and B are equal.

fifty-eight million one hundred thirty-seven thousand two hundred fifty-seven =

- A) 58137257
- B) 5813725700
- C) 251877503
- D) 581372570

Name: \_\_\_\_\_

		+		+		=
	B		A		?	27
x						
	A		A		B	34
+						
	C		A		C	22
=						
	125		156		55	

### Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$C + A + C = 22 \quad A \times \underline{\quad} + A = 156$$

$$\underline{\quad} \times \underline{\quad} + \underline{\quad} = 125 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} = 34$$

Additional hints:

$$A = C + 7 \quad A < 17$$

### Show Work:

### Solve:

$$? = \underline{\quad}$$

2	3	4	8
-	2		
	1	4	
-	1	4	
		0	8
		-	8
			0

3	8	7	0
-			
-			
		-	

[illegible]

[illegible]

[illegible]



[illegible]

Name: \_\_\_\_\_

<p>Boston Marathon runners cover a distance of 26 miles, 385 yards. How far is that in meters? Round off your answer to three decimal places. (Note: 1 foot = 0.3048 meters)</p>	<p>Holly is going to a party. She has procrastinated getting ready all day. Now it is 5:07 p.m., and the party begins at 6:00 p.m. It will take her 24 minutes to shower, 17 minutes to get dressed, 16 minutes to do her hair, and 22 minutes to get to the party. What time will she arrive?</p>	<p>Wendy bought four bags of candy for a total of \$10.92. If two of the bags of candy together cost \$4.59, and each of the other two bags had the same cost, how much was each remaining bag?</p>
--	--	---

Count by 2.5s.

Draw ONE continuous line that touches every box ONCE.  
Count by 2.5s. Find the box with the number 4. Move up, down, right, or left.  
Keep counting until you reach 84. Do not move into a spot with a ghost.

				64	66.5	
			---	---		
		4	---	6.5		
16.5	---	---	---		---	---
	---	---			---	84

7,218 - 6,542 = \_\_\_\_\_

Name: \_\_\_\_\_

Erin is going to roll two dice. What is the chance that her total will be either 8 or higher on her first roll?

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

$$\begin{array}{r} 698 \\ - 284 \\ \hline \end{array}$$

$$108 \div 12 = \underline{\hspace{2cm}}$$

Circle the smallest number:  
809,657,214,393      18,507,284  
2,467                      536,109

$$\begin{array}{r} 438 \\ + 345 \\ \hline \end{array}$$

Pick a month. Can you make up a calendar for your month with four Mondays? Show your calendar below:

$$4 \times 10 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 30 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ - 21 \\ \hline \end{array}$$

Can 393 be evenly divided by 6? Circle:  
393 is NOT evenly divisible by 6  
393 is evenly divisible by 6

$$14 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

$$1 \text{ cm} = 10 \text{ mm}$$

$$28 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

Name: \_\_\_\_\_

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

H		R	R		B	L		S	C
P		C	T		R		D		
		X	C		S		E	T	N
D	R		W	S	Y	T	C		V
M	V		S			N	I	L	
	C	R		W	L	N	S		N
	S	T			N	D	I	R	C
	N		W		R		V		
P			S		N	T	E	N	N
C	S	T	M		N		R	T	

HORRIBLE • CONVINC • VISION  
DROWSY • CRAWL • MINOR  
EXCUSE • TOLERANT • PEASANT  
PICTURE • UNAWARE • DECISIVE  
ASTOUND

$56 \div 8 = \underline{\hspace{2cm}}$

$80 \div 10 = \underline{\hspace{2cm}}$

$4 \times 12 = \underline{\hspace{2cm}}$

$30 \div 10 = \underline{\hspace{2cm}}$

$10 \times 7 = \underline{\hspace{2cm}}$

Maria and Erin are playing a number game.  
Maria says 9. Erin replies that the answer is 16.  
Maria says 7. Erin replies that the answer is 14.  
Maria says 3. Erin replies that the answer is 10.  
Maria says 10. Erin replies that the answer is 17.  
Maria says 5. Erin is thinking. What number should Erin reply with?

$8 \times 7 = \underline{\hspace{2cm}}$

How many grams are in 5 kilograms?

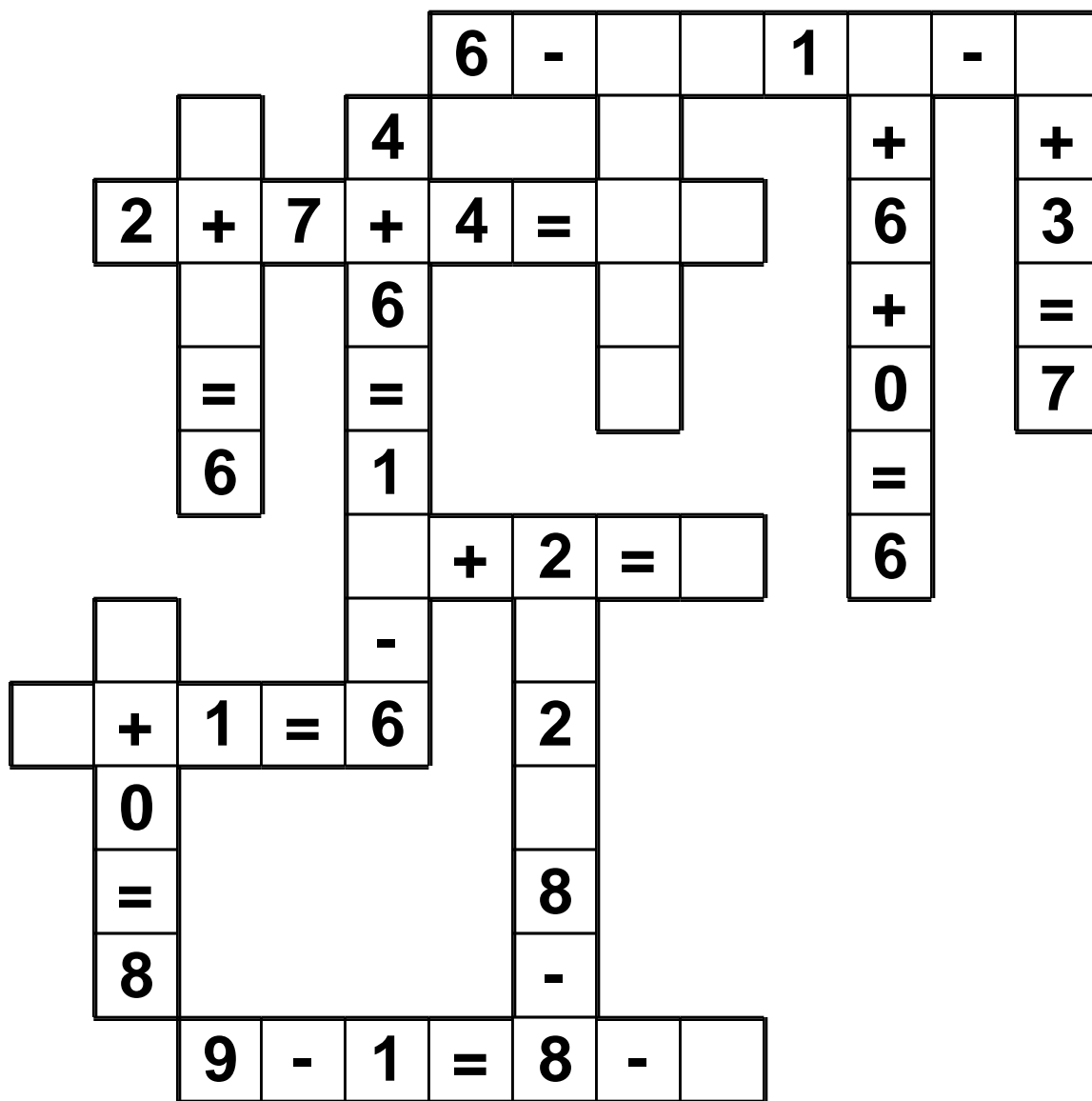
\_\_\_\_\_ grams

$10 \times 5 = \underline{\hspace{2cm}}$

Name: \_\_\_\_\_

0 • = • 0 • 4 • 4 • + • 1 • 3 • 2 • = • 1 • 6 • 8 • 8 • - • 5  
= • 0

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



Write the missing family fact.

156 - 90 = 66  
156 - 66 = 90  
66 + 90 = 156

10 x 8 = \_\_\_\_\_

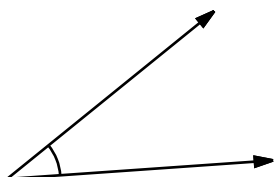
12 x 5 = \_\_\_\_\_

Name: \_\_\_\_\_

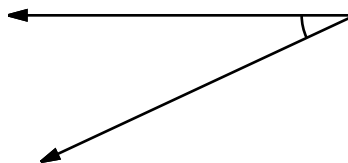
How large is the angle? First, make a guess and write your estimate in degrees.

Then, actually measure it to see how close your guess was.

Hint: Try guessing between  
28 and 41 degrees.



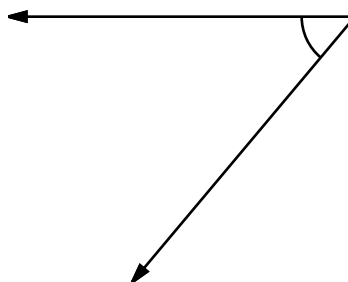
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



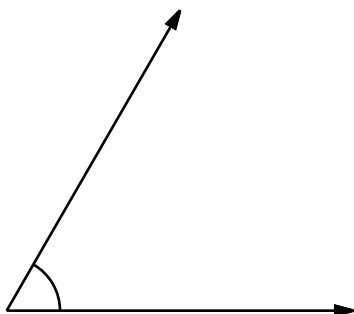
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



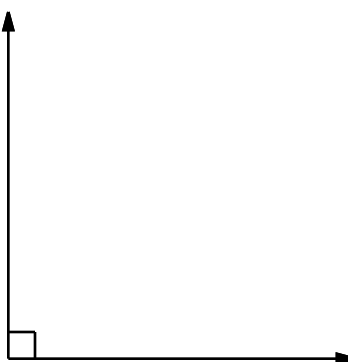
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Name: \_\_\_\_\_

Circle the largest number.

2.2   2.3   2.4

Skill: Positive and Negative Numbers

What is the absolute value of negative thirty-six?

360   72   108   36

Skill: Positive and Negative Numbers

One hundred people were asked, "Would you rather go to the pool or the beach?" Sixty-nine said they would go to the beach. What percent would go to the beach?

0.69%   138%   69%  
34%

Skill: Percents

Circle the three prime numbers.

There may be multiple answers.

3   27   31   13

Skill: Whole Numbers, Factors, and Prime Numbers

Rewrite the fraction in simplest form.

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

1

Skill: Basics of Fractions and Mixed Numbers

It was 6 degrees Celsius. It got 11 degrees Celsius colder. What is the current temperature?

-11 degrees Celsius  
4 degrees Celsius  
-5 degrees Celsius  
5 degrees Celsius

Skill: Positive and Negative Numbers

$$\frac{7}{100} =$$

0.007   100.7   0.7   0.07

Skill: Fractions and Mixed Numbers (addition/subtraction)

Circle the two composite numbers.

There may be multiple answers.

22   10   7   11

Skill: Whole Numbers, Factors, and Prime Numbers

Name: \_\_\_\_\_

X		6	6	2		
6	36					18
	<u>6</u> x <u>   </u>	<u>6</u> x <u>6</u>	<u>6</u> x <u>6</u>	<u>6</u> x <u>2</u>	<u>6</u> x <u>   </u>	<u>6</u> x <u>   </u>
			66	22		
	<u>   </u> x <u>   </u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>2</u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>
			72			
	<u>   </u> x <u>   </u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>2</u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>
				12	12	
	<u>   </u> x <u>   </u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>2</u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>
	60					
	<u>   </u> x <u>   </u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>2</u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>
7				14		
	<u>7</u> x <u>   </u>	<u>7</u> x <u>6</u>	<u>7</u> x <u>6</u>	<u>7</u> x <u>2</u>	<u>7</u> x <u>   </u>	<u>7</u> x <u>   </u>
				8		
	<u>   </u> x <u>   </u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>2</u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>
		72			24	
	<u>   </u> x <u>   </u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>6</u>	<u>   </u> x <u>2</u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>

934 - 256 = _____	5 x 11 = _____	11 x 5 = _____
-------------------	----------------	----------------

5 x 7 = _____
---------------

Name: \_\_\_\_\_

The city's Freedom Memorial Garden was enclosed by a fence put up in the shape of a parallelogram with a base of 144 feet and a height of 107 feet. What was the area of the garden?

The students in Ms. Brown's 6th grade science class took a survey of 165 students. Three-fifths of the students had already had chicken pox. How many of the students surveyed had not had chicken pox?

Robert Burns was born on January 25, 1759. Which birthday will be celebrated on January 25, 2023?

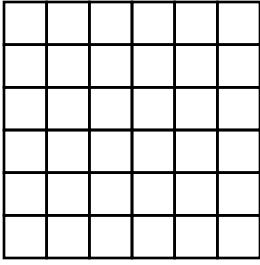
The food service workers at Mountain Springs Elementary School begin their work at 5:16 a.m. and finish their days at 10:16 a.m. They work five days a week. If they make \$11.34 per hour, how much do they make in a week?

Justin took three numbers greater than 1 and multiplied them. One number was four and the other number was nineteen. Of course, he forgot the last number, but he remembered the product was 167. Is this possible?

$$32 \div 4 = \underline{\hspace{2cm}}$$

$$3 \times 4 = \underline{\hspace{2cm}}$$

Name: \_\_\_\_\_

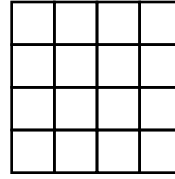


Color in seven-ninths of the small squares.

\_\_\_\_\_ small squares are shaded.

\_\_\_\_\_ small squares are NOT shaded.

\_\_\_\_\_ % of the large square is shaded.



Color in 50% of the small squares.

\_\_\_\_\_ small squares are shaded.

\_\_\_\_\_ small squares are NOT shaded.

\_\_\_\_\_ % of the large square is NOT shaded.

Sara took an exam with 30 questions. If she got 9 questions wrong, then what was her final grade?

Hint: The final grade is the percent of questions she got correct.

April is coding a game where there are blue and red dots. A player needs to knock red dots off the screen. At the start of the game, there are 35 blue dots and 23 red dots. How many red dots must be knocked out so that the red dots make up 30% of the total dots?

Name: \_\_\_\_\_

The perimeter of a rectangle is 16 cm. The longer side is 5 cm. How long is the shorter side?

It was 2 degrees above zero in the morning. By afternoon the temperature rose 29 degrees. How warm was it?

Estimate quickly the difference.  
 $4,470 - 1,910$

How many centimeters in 7.3 meters?

Pick the family fact that is missing.

$$105 \div 7 = 15$$

$$7 \times 15 = 105$$

$$15 \times 7 = 105$$

55, \_\_\_\_\_, 65, 70, 75, 80

$$6 \times 6 \times 6 \times 6 \times 6 = x^5$$

What is the value of x?

$$\frac{1}{6561}, \frac{1}{729}, \frac{1}{81}, \frac{1}{9}, (1),$$

(9), (81), \_\_\_\_\_,

(6,561), (59,049)

Rewrite  $\frac{91}{100}$  as a decimal.

231341, 134123, 412313,

231341, 134123, 412313,

231341, 134123, \_\_\_\_\_,

231341, 134123, 412313,

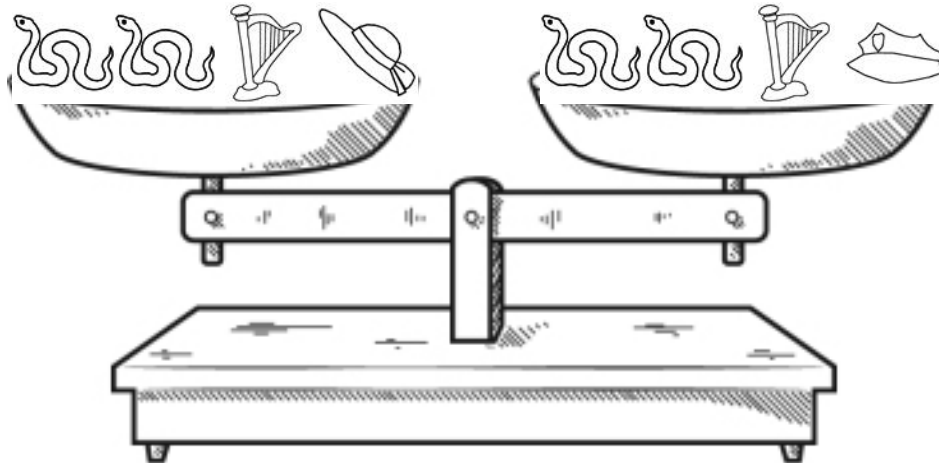
231341, 134123

5, 5, z, 5, 5, z, 5, 5,

\_\_\_\_\_, 5, 5, z, 5, 5


E, \_\_\_\_\_, O, T, Y

Name: \_\_\_\_\_



It may help to give values to pictures.

 = 18

 = 6

 =         

 =         

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

 = 

☐ True

☐ False

  =  

☐ True

☐ False

   >   






☐ True

☐ False

  =    

☐ True

☐ False

   =  

☐ True

☐ False

  >  

☐ True

☐ False

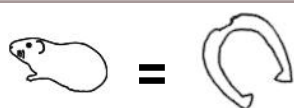
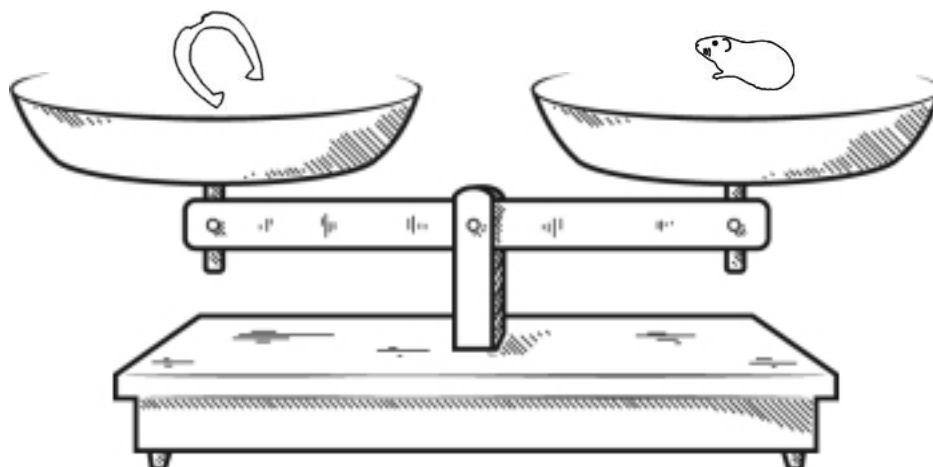
Did you find that two are true? If not, look again!

Hint: If you see the same pieces on both sides, you might need to remove both pieces.

Name: \_\_\_\_\_

## Color Squares Puzzle

Name: \_\_\_\_\_



☐ True

☐ False



☐ True

☐ False



☐ True

☐ False



☐ True

☐ False



☐ True

☐ False



☐ True

☐ False

Did you find that two are true? If not, look again!  
You should only mark TRUE if you are absolutely sure it is correct!



Name: \_\_\_\_\_

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

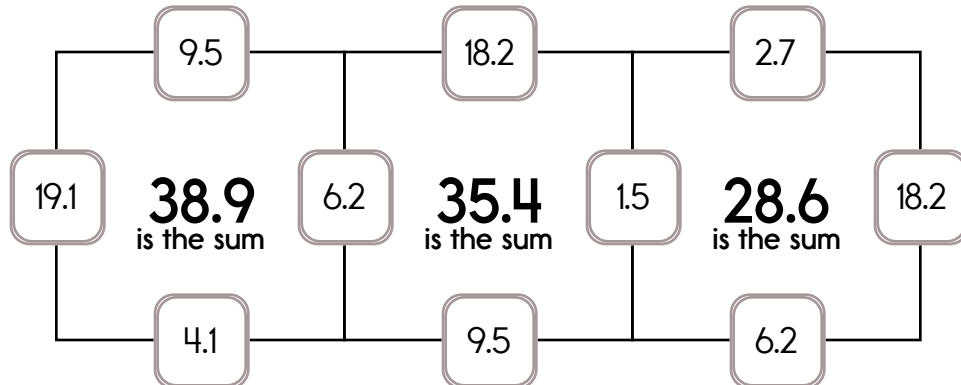
Example:

$$19.1 + 6.2 + 9.5 + 4.1 = 38.9$$

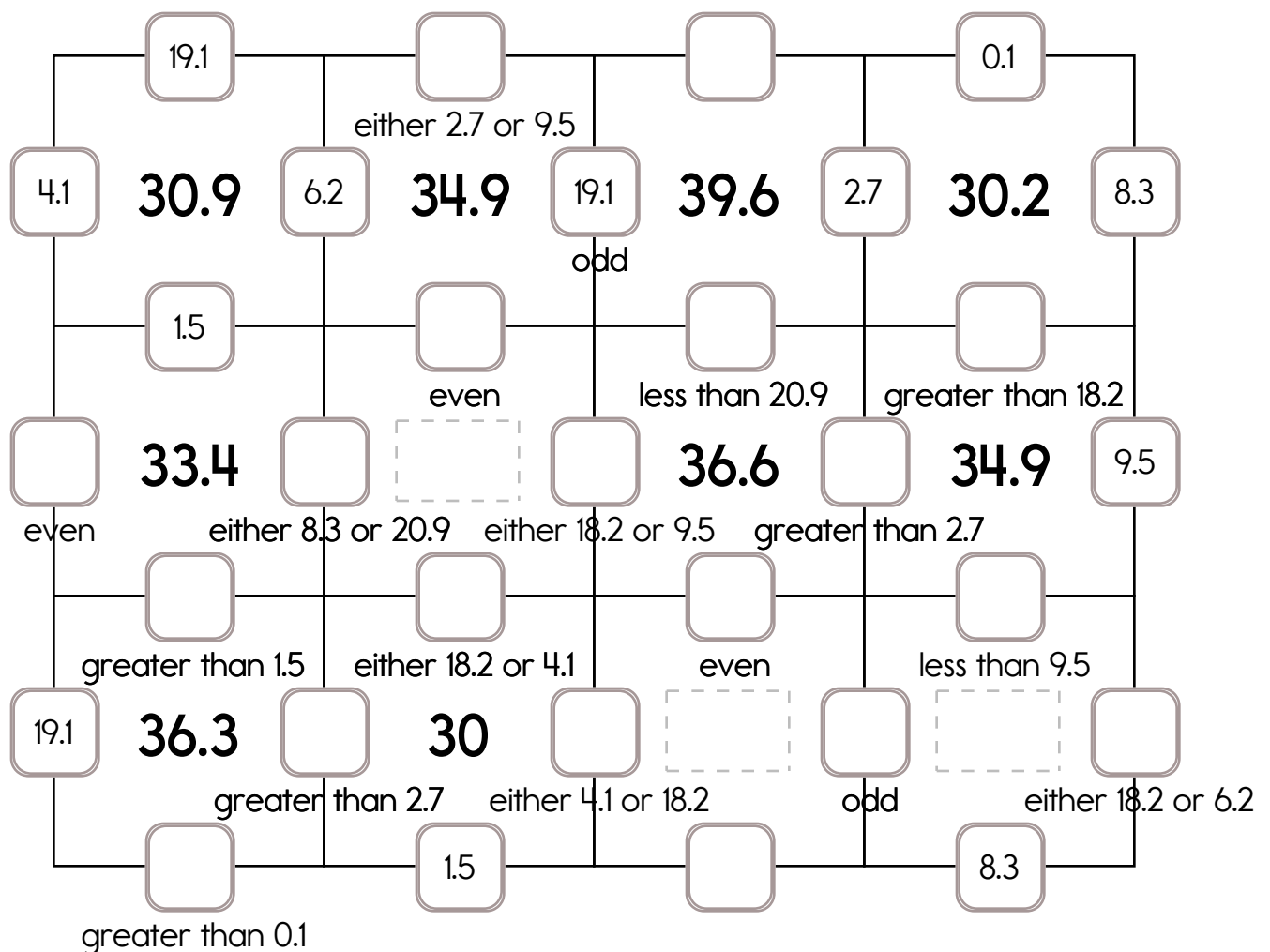
Example:

$$1.5 + 18.2 + 2.7 + 6.2 = 28.6$$

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: 20.9, 18.2, or 19.1. The other three numbers have to all be DIFFERENT and must be from these: 6.2, 1.5, 8.3, 9.5, 0.1, 4.1, or 2.7.



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: 15.9, 14.8, or 28.7. The other three numbers have to all be DIFFERENT and must be from these: 4.8, 2.5, 6.3, 8.3, 7.5, 9.7, or 0.6.

	14.8			0.6		
		even				
2.5	29.6	7.5	46.5	9.7	46.5	28.7
		greater than 8.3				even
	4.8			7.5		
		greater than 2.5				
	36.7		49.5			23.8
either 15.9 or 9.7		less than 7.5		odd	either 15.9 or 8.3	either 14.8 or 2.5
	less than 28.7		less than 8.3		less than 28.7	even
	34.4		43.5		49.3	
		less than 28.7	even		either 15.9 or 7.5	greater than 0.6
	less than 14.8		greater than 6.3		less than 14.8	even
	24.2		25.4		27.7	
		even	either 14.8 or 9.7		even	
	even		less than 14.8		less than 15.9	less than 6.3
	40.3		30.7			
greater than 0.6		less than 8.3	odd		greater than 2.5	odd
	either 8.3 or 9.7		either 2.5 or 4.8			



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