

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

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

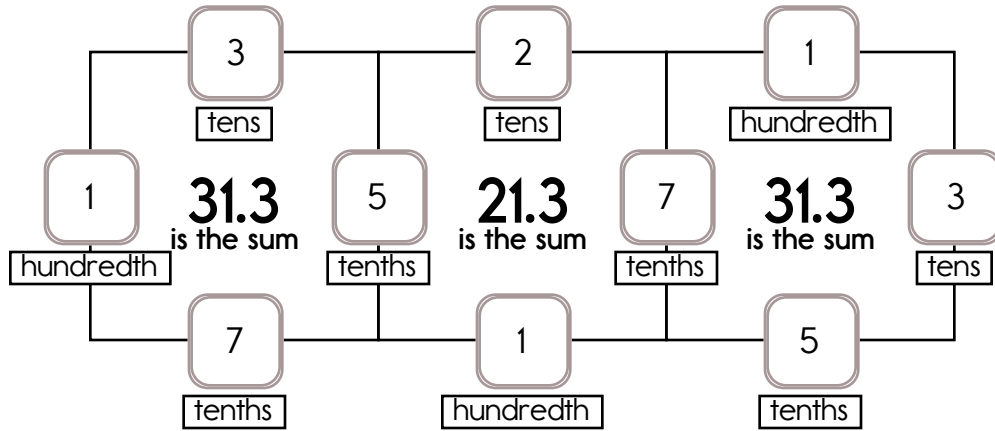
Example:

$$0.1 + 0.5 + 30 + 0.7 = 31.3$$

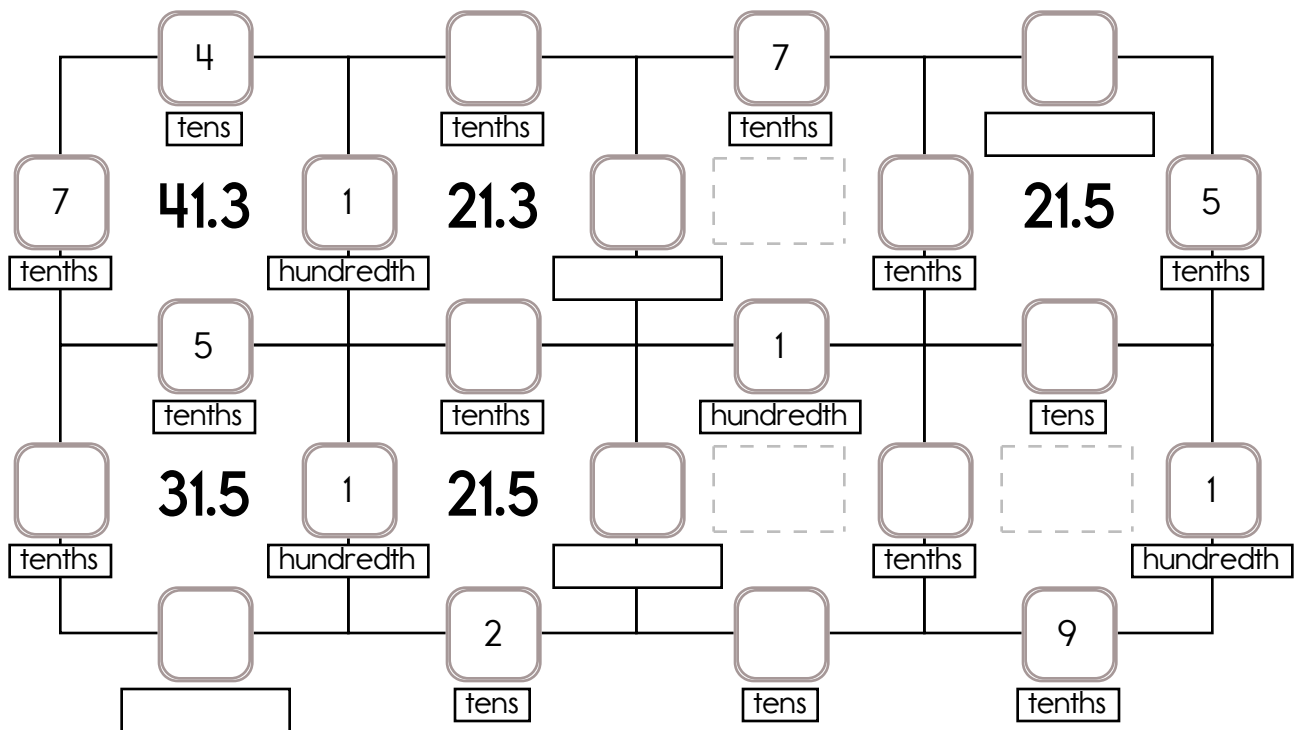
Example:

$$0.7 + 30 + 0.1 + 0.5 = 31.3$$

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: 2 tens, 4 tens, or 3 tens. The other three numbers have to all be DIFFERENT and must be from these: 5 tenths, 9 tenths, 1 hundredth, or 7 tenths.





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

Get a fidget spinner! Spin it.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the LCM using the Birthday Cake method.



<div style="display: flex; align-items: center; margin-bottom: 5px;">3</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">30 48</div> <div style="display: flex; align-items: center; margin-bottom: 5px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">10 16</div> <div style="display: flex; align-items: center; margin-bottom: 5px;">5</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">8</div> <p>LCM: <math>3 \times 2 \times 5 \times 8 = 240</math></p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">3</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">48 42</div> <div style="display: flex; align-items: center; margin-bottom: 5px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">16 14</div> <p>LCM: _____</p>
---	---

<div style="display: flex; align-items: center; margin-bottom: 5px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">108 180</div> <p>LCM: _____</p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">4</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">20 12</div> <p>LCM: _____</p>	<div style="display: flex; align-items: center; margin-bottom: 5px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">36 44</div> <p>LCM: _____</p>
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<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">60 170</div> <p>LCM: _____</p>	<div style="border: 1px solid black; padding: 5px; display: flex; justify-content: space-around; width: 100%;">24 18</div> <p>LCM: _____</p>
---	--



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

Spin again.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the LCM using the Birthday Cake method.

4	40 36 10 9	5	60 25	3	30 33
LCM: $4 \times 10 \times 9 = 360$		LCM: _____		LCM: _____	

5	120 150	3	144 96
LCM: _____		LCM: _____	

165 300	48 51
LCM: _____	
LCM: _____	

27 42	50 30	21 36
LCM: _____	LCM: _____	LCM: _____

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

<p>Holly walked to the store in 15.5 minutes. She bought Band-Aids for \$0.55, gauze for \$1.29, and suntan lotion for \$2.89. She gave the clerk a \$10 bill. She left the store at 3:45 a.m. It took her 20.1 minutes to walk home. How much longer did it take her to walk home than it took to walk to the store?</p>	<p>Central City bought 4,265 red and white carnations to decorate the town square for the Shortest Month Festival. Workers put <math>\frac{1}{10}</math> of the carnations on the tables and <math>\frac{1}{2}</math> of them on the bandstand. How many carnations did they have left to put around the entrance?</p>	<p>Ice cream cones cost \$1.16 for one scoop and 40¢ for each additional scoop. Anna bought a 3-scoop chocolate cone for herself and a 2-scoop vanilla cone for her little brother. How much did the two cones cost?</p>
---	--	--

<p>Circle the smallest number: 2,678,013      94,535 706,142,895,480      769,231</p>	<p>Write the numbers 45 to 75 on a sheet of paper. How many of these numbers are divisible by 3? _____</p>
---	--



<p><math>8 \times 10 =</math> _____</p>	$\begin{array}{r} 820 \\ - 640 \\ \hline \end{array}$	<p>Jessica rolls a die. What is the chance of her rolling a 3? _____</p>	$\begin{array}{r} 306 \\ + 265 \\ \hline \end{array}$
---	---	--	---

<p>Megan rolls two dice. What is the chance of her rolling a 2 on one die and a 1 on the other die? _____</p>	<p>Rose rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being six?</p>	$\begin{array}{r} 29 \\ - 11 \\ \hline \end{array}$
---	---	---

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

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

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


Two fancy pens cost \$10. At that rate, what is the cost of 10 fancy pens?

$$984 - 752 = \underline{\hspace{3cm}}$$

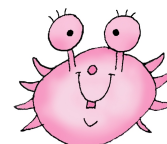
$$\begin{array}{r} 44 \\ + 28 \\ \hline \end{array}$$



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

How many dimes make \$3.10?	$40 \div 8 =$ _____	Circle the addition property for $30 + 143 = 143 + 30$ . associative property commutative property
	$14 \div 2 =$ _____	
	$8 \times 9 =$ _____	

How many centimeters are in 70 millimeters? _____ centimeters	The boys in your class each were given a ticket with a number on it. The numbers given out were: 23, 15, 9, 7, 11, 18, 17, and 16. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 4?
For 68,092,448,127, write the digit that is in the hundred thousands place. _____	



Circle the digit in the hundredths place. 66.56	$12 \times 11 =$ _____	$30 \div 6 =$ _____
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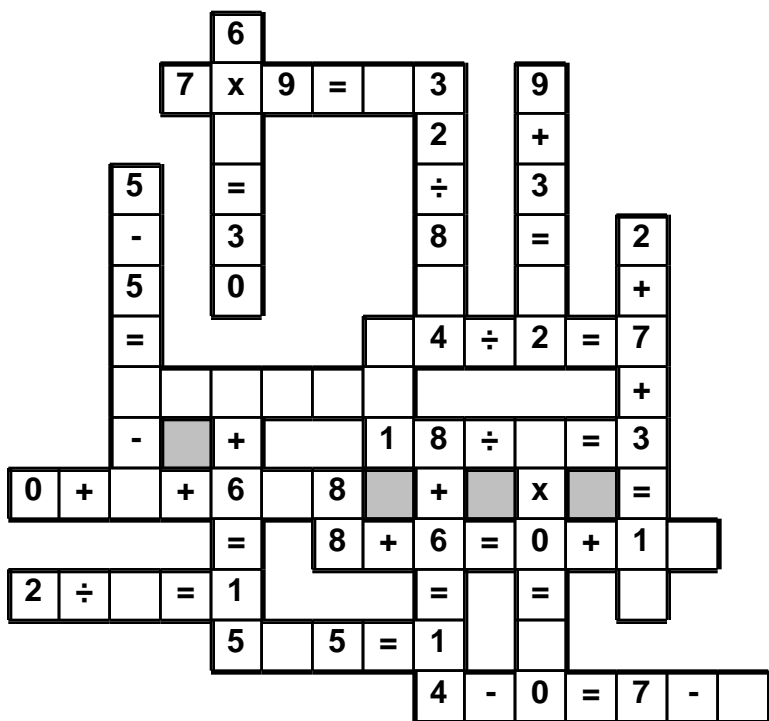
$24 \text{ kg} =$ _____ $\text{g}$	You cannot decide what pizza store to go to. Amy's pizza cuts their pizza into 4 slices. Each slice costs \$5 each. Megan's pizza cuts their pizza into 5 slices. Each slice costs \$5 each. If you like each pizza the same, which pizza store has the better buy?
------------------------------------	---

The letters A and X each have a line of symmetry. Name another letter between A and X that has a line of symmetry. _____	$6 \div 3 =$ _____	$1 \text{ lb} = 16 \text{ oz}$
		$19 \text{ lb} =$ _____ $\text{oz}$

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

$6 \cdot 5 = 1 \cdot 1 \cdot 2 \cdot x \cdot 9 = 1 \cdot 8 \cdot 6 \cdot 2 = 4 \cdot 2 \cdot 2$
$\div \cdot 0 \cdot 3$

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



$4 \times 9 =$

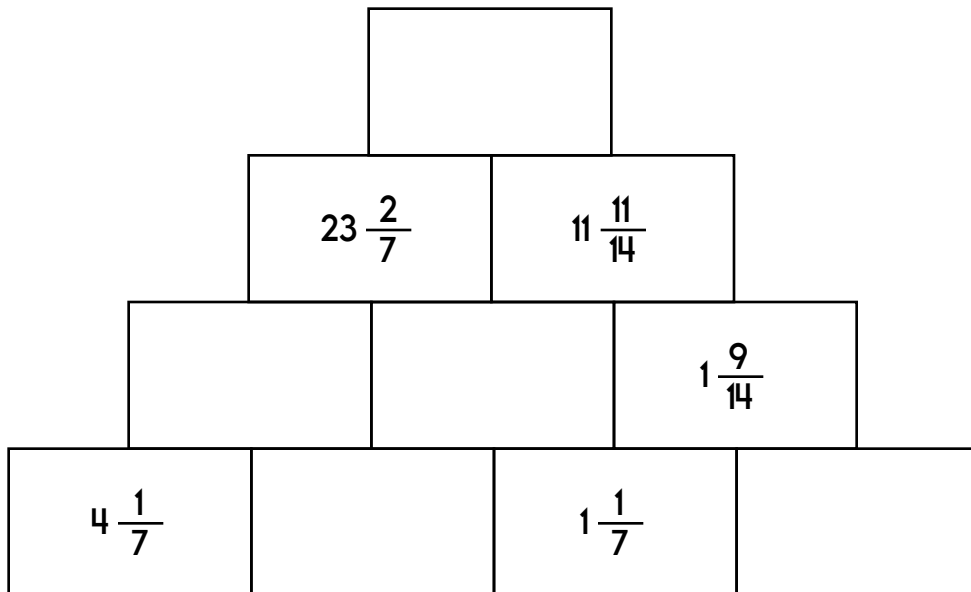
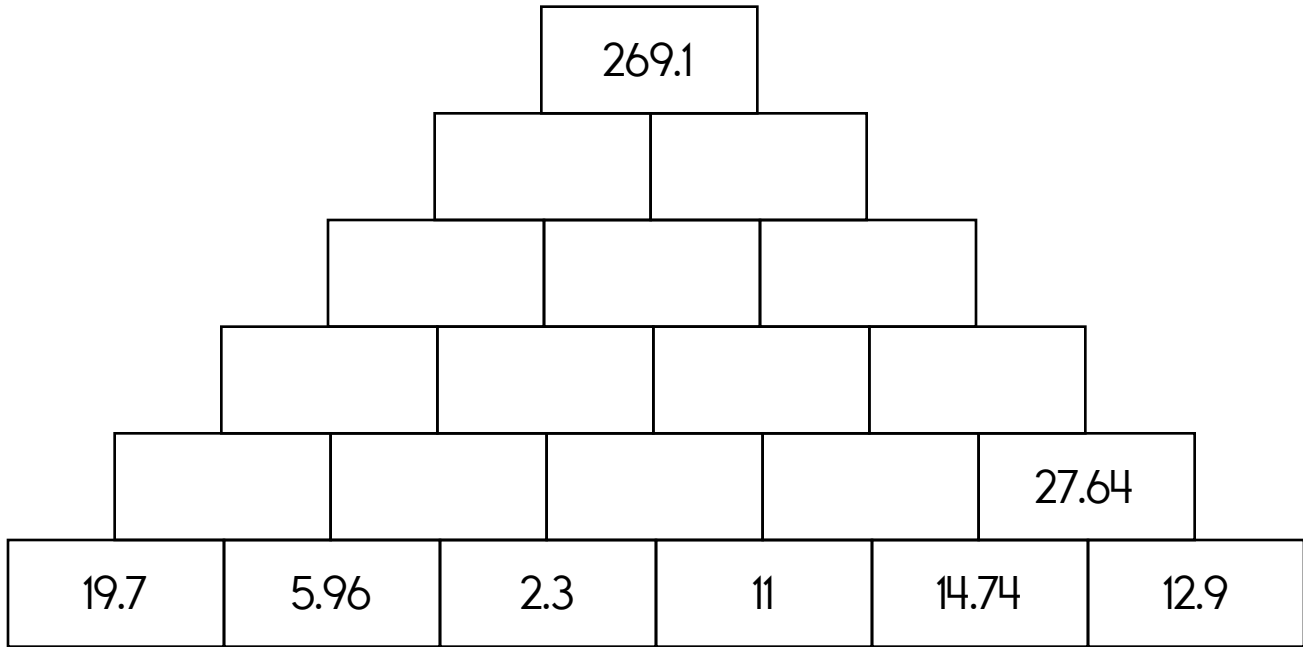


The letters F, G, J, L, N, P, Q, R, S, and Z do not have line symmetry. The rest of the letters in the alphabet do. Can you write someone's name where the complete name has line symmetry? Hint: You cannot use all of the letters. You could use B in a name, but M would not work.

$48 \div 8 =$

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

The block above is the sum of the two blocks below. Fill in the missing blocks.



24 ÷ 4 = _____	18 ÷ 3 = _____
----------------	----------------

2 x 11 = _____	Fill in the missing operations to complete this equation:  24 _____ 12 _____ 36 = 38	6 x 11 = _____
----------------	--	----------------

word root **equi** can mean **equal or fair** **equivocate**



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

Erin was getting married. She was very happy! The total cost for the wedding was \$3,857. She spent \$548.93 for her dress. One-fourth of the remaining money was spent on flowers. How much money was spent on flowers?

Seventy-eight percent of the people surveyed believe that students are not well prepared for international business. If 2,400 people were surveyed, how many believe students are not well prepared for international business?

Adam took a big bowl from the kitchen to see what kind of fun party mix he could create.

He added  $\frac{1}{2}$  cup of Cheerios,  $\frac{1}{3}$  cup of Goldfish crackers, and  $\frac{2}{3}$  cup of raisins.

How much food is now in the bowl?

Which two of these numbers have a product of 21.28?

0.038

0.056

0.079

0.79

3.8

7.9

5.6

0.38

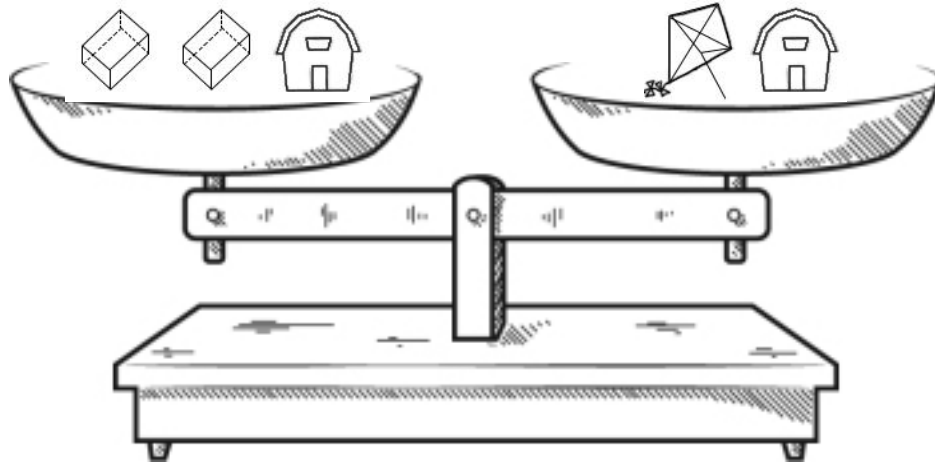
Name: \_\_\_\_\_

The revolving stage at the Palace of Illusion moves very slowly. It takes the stage 2.8 minutes to turn 18 degrees. How long does it take the stage to make one complete revolution?

David and Anne are going to the pet store to buy a pet rabbit. They can buy a black rabbit, a white rabbit, or a white rabbit with black spots. The rabbits have lopped ears or straight ears. Make a tree diagram to show the possible choices.

The length of the gingerbread house is 3 cm more than 2 times the width. What is the perimeter of the house if the width is 28 cm?

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



True       False

True       False

True       False

True       False

True       False

True       False

True       False

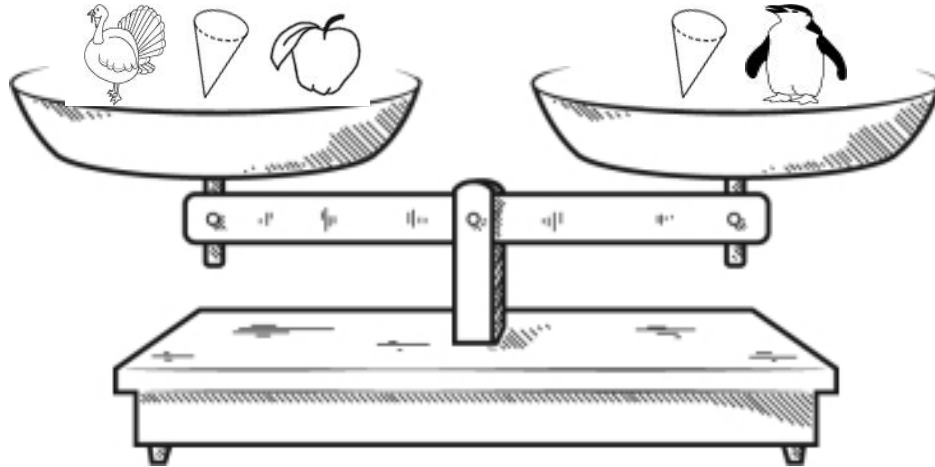
True       False


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

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

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

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







  = 





True  False

  > 









True  False

  <  











True  False

  >  








True  False

    =    

True  False

     =     

True  False

   =    

True  False

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

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

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

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

Abigail, Kylie, Grace, Stephanie, Joshua, Alexandra, and Sean counted the number of pennies that they saved. Each person had a different number of pennies. One has nine hundred ninety pennies, one has eight hundred twenty-six pennies, one has three hundred thirty-eight pennies, one has two hundred eighty-seven pennies, one has one hundred seventy-one pennies, one has seven hundred forty-three pennies, and one has four hundred fifty-two pennies

How many pennies does each person have?

1. For the number of pennies that Kylie has, the ones place is one less than the tens.
2. Among the number of pennies that everyone has, Sean's total has the smallest number in the tens place.
3. The sum of the tens and hundreds place in the number of pennies that Abigail has is nine.
4. The sum of the ones and tens place in the number of pennies that Joshua has is seven.
5. Among the number of pennies that everyone has, Stephanie's total has the largest number in the hundreds place.
6. For the number of pennies that Grace has, the tens place is more than the hundreds.
7. For the number of pennies that Alexandra has, the hundreds place is less than the ones.

Abigail has \_\_\_\_\_ pennies.

Kylie has \_\_\_\_\_ pennies.

Grace has \_\_\_\_\_ pennies.

Stephanie has \_\_\_\_\_ pennies.

Joshua has \_\_\_\_\_ pennies.

Alexandra has \_\_\_\_\_ pennies.

Sean has \_\_\_\_\_ pennies.



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

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

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

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

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

What is the value of x?

$$(0.4)(0.11)$$

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

$$964 + 938 = \underline{\hspace{2cm}}$$



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

Complete each pattern. Write what the rule is.

84	77	70
63		49
42	35	
21	14	

Complete each pattern. Write what the rule is.

343734, 343437, 373434, 343734, 343437, 373434, 343734,  
343437, 373434, \_\_\_\_\_, \_\_\_\_\_, 373434, 343734, 343437

857553, 538575, 755385, \_\_\_\_\_, \_\_\_\_\_, 755385, 857553,  
538575, 755385, 857553, 538575, \_\_\_\_\_, 857553, 538575

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

Cross off the letter that does NOT belong.

B, G, C, H, J, D, M, E, P, F, S

Why does \_\_\_\_\_ not belong in the pattern?

Cross off the number that does NOT belong.

12.4, 8.5, 4.4, 25.3, 38.2, 67.9, 131.4,  
237.5, 436.8, 460.8, 805.7, 1480, 2722.5, 5008.2

Why does \_\_\_\_\_ not belong in the pattern?



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

Cross off the number that does NOT belong.

162, 142, 122, 105, 88, 74, 60, 57, 49, 38, 30, 22, 17, 12, 10, 8

Why does \_\_\_\_\_ not belong in the pattern?

Cross off the number that does NOT belong.

$12 \frac{25}{75}$  ,  $13 \frac{50}{75}$  ,  $16 \frac{35}{75}$  ,  $17 \frac{60}{75}$  ,  $20 \frac{45}{75}$  ,  $21 \frac{62}{75}$  ,  $21 \frac{70}{75}$  ,  
 $24 \frac{55}{75}$  ,  $26 \frac{5}{75}$  ,  $28 \frac{65}{75}$  ,  $30 \frac{15}{75}$  , **33** ,  $34 \frac{25}{75}$

Why does \_\_\_\_\_ not belong in the pattern?

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

### Sudoku Sums of 13

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 13.

Here is an example of a sudoku sum of 13:

1	12
---	----

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

$$\begin{array}{r} 0.94 \\ -0.273 \\ \hline \end{array}$$

$$\begin{array}{r} 3.1 \\ -2.71 \\ \hline \end{array}$$

$$\begin{array}{r} 0.8 \\ -0.5 \\ \hline \end{array}$$

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

Mackenzie, Jose, Amanda, and David each completed their homework. One took forty-six minutes, one took ninety-nine minutes, one took eighty-eight minutes, and one took forty-eight minutes to complete their homework.

How long did each person take to finish his or her homework?

1. Amanda started working forty-four minutes after Jose and finished forty-six minutes after Jose.
2. Amanda needed less than an hour to finish.
3. David needed more time than Mackenzie to finish.
4. Amanda started working at 3:32. Mackenzie started working thirteen minutes after Amanda and finished at 5:13.
5. Mackenzie started on the assignment at 5:46 p.m. Mackenzie took a forty-four minute break at 6:50 p.m. to eat dinner. Mackenzie continued working after dinner and finished the assignment at 7:58 p.m.
6. Jose needed less than an hour to finish.
7. David started working thirty-eight minutes after Jose and finished ninety-one minutes after Jose.

Mackenzie took \_\_\_\_\_ to finish.

Jose took \_\_\_\_\_ to finish.

Amanda took \_\_\_\_\_ to finish.

David took \_\_\_\_\_ to finish.

$(8 + 13 + 10) =$

Circle the percentage that is closest to 11 out of 74:

- 60%
- 27%
- 5%

What is the remainder of 19 divided by 5?

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

Hannah, Destiny, Stephanie, and Samantha competed in the women's singles figure skating competition.

Each person has been assigned a technical and presentation ordinal mark. A mark of 1.0 indicated that the person was placed in first place. To determine the winner, the two marks from each judge are added together and assigned an ordinal. In case of a tie, the technical mark has more weight. If there is still a tie, we will allow both people to share the same rank. (Please note that these calculations are simplified from the actual Olympics.)

For the technical ordinal score, the judges give the best performance an ordinal of one. The next best performance receives an ordinal of two, and so on. The presentation ordinal score is assigned in the same way. So for four people, a person could have a presentation ordinal score ranging from 1 to 4.

(When ordinals are compared, a higher ordinal score actually means a lower number. For example an ordinal of 1 is better, and considered higher than an ordinal of 3.)

Figure out the scores for each skater and their final rankings.

1. Hannah's technical ordinal score was higher than Destiny's and higher than Samantha's.
2. One skater received a 2 presentation ordinal and a 2 technical ordinal.
3. Samantha's technical ordinal is lower than her presentation ordinal.
4. Destiny's technical ordinal score was lower than Samantha's technical ordinal score.
5. Stephanie had the best technical ordinal score.
6. One skater received a 4 presentation ordinal and a 4 technical ordinal.
7. Stephanie did not have a presentation ordinal mark of 1.

Hannah received a score of \_\_\_\_\_. Hannah came in \_\_\_\_\_ place.

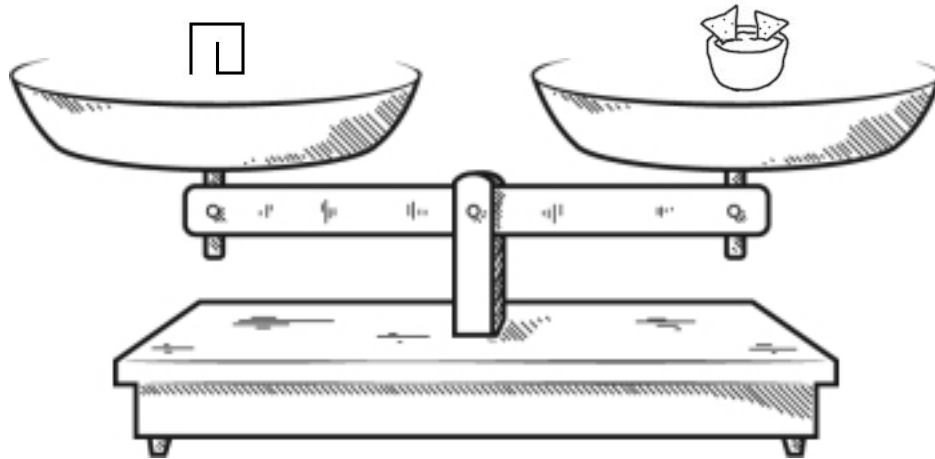
Destiny received a score of \_\_\_\_\_. Destiny came in \_\_\_\_\_ place.

Stephanie received a score of \_\_\_\_\_. Stephanie came in \_\_\_\_\_ place.



Samantha received a score of \_\_\_\_\_. Samantha came in \_\_\_\_\_ place.







$$64 \div 8 = \underline{\hspace{2cm}}$$







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!**

Rewrite  $16 - 7$   
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

$15 - 6 = \underline{\quad}$   
  
 $15 + -6 = \underline{\quad}$

Rewrite  $7 + -2$   
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

$12 \times 4 = \underline{\quad}$

Write 7,533 in words.  
 \_\_\_\_\_

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

Complete each pattern.

8, 3, 3, 7, 7, 8, 3, 3, 7, 7, \_\_\_\_, \_\_\_\_, 3, 7, 7, 8, 3

7, G, G, 7, G, G, 7, G, G, 7, G, \_\_\_\_, \_\_\_\_,

Complete each pattern. Write what the rule is for each pattern.

(1,296) , (216) ,

(36) , (6) , (1) ,

$\frac{1}{6}$  ,  $\frac{1}{36}$  , \_\_\_\_\_ , \_\_\_\_\_

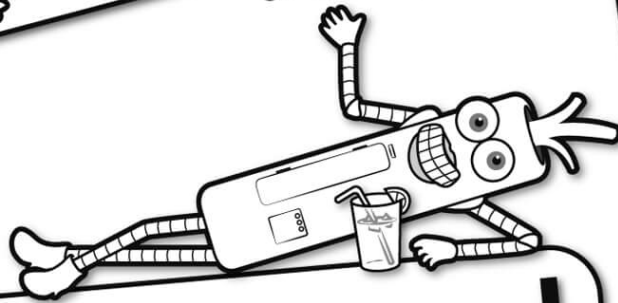
(531,441) , (59,049) , (6,561) ,

(729) , (81) , (9) ,

(1) ,  $\frac{1}{9}$  ,  $\frac{1}{81}$  , \_\_\_\_\_

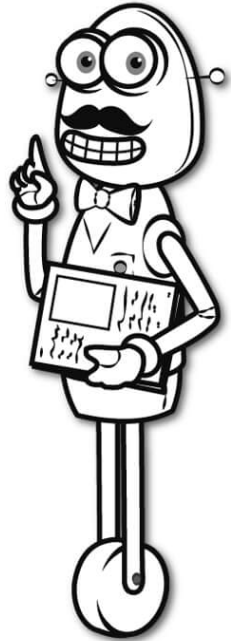


It's NO PREP at edHelper.



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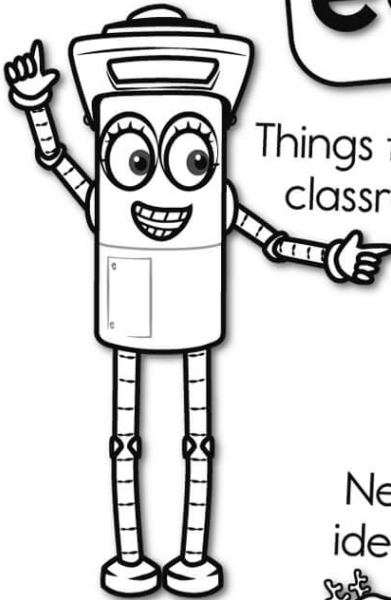
More history!



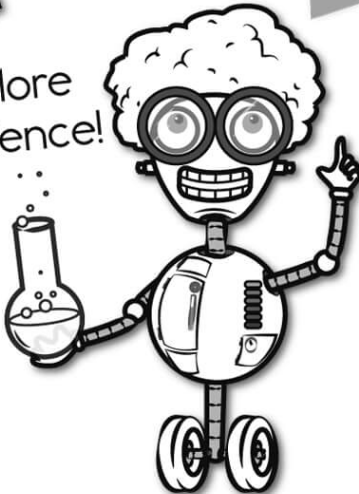
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Things for the classroom!



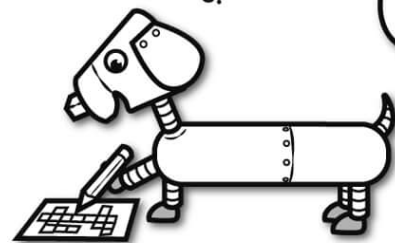
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More puzzles!





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