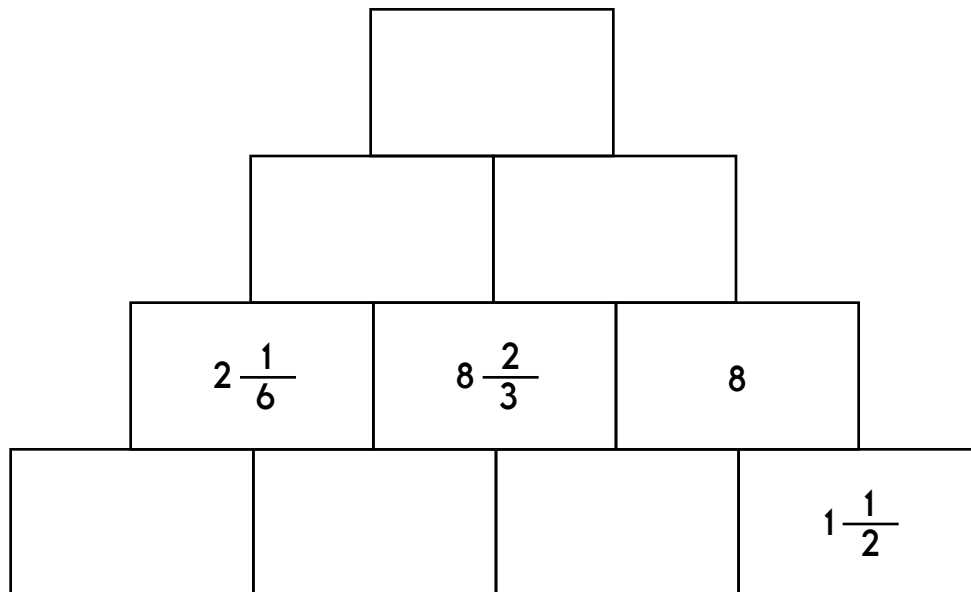
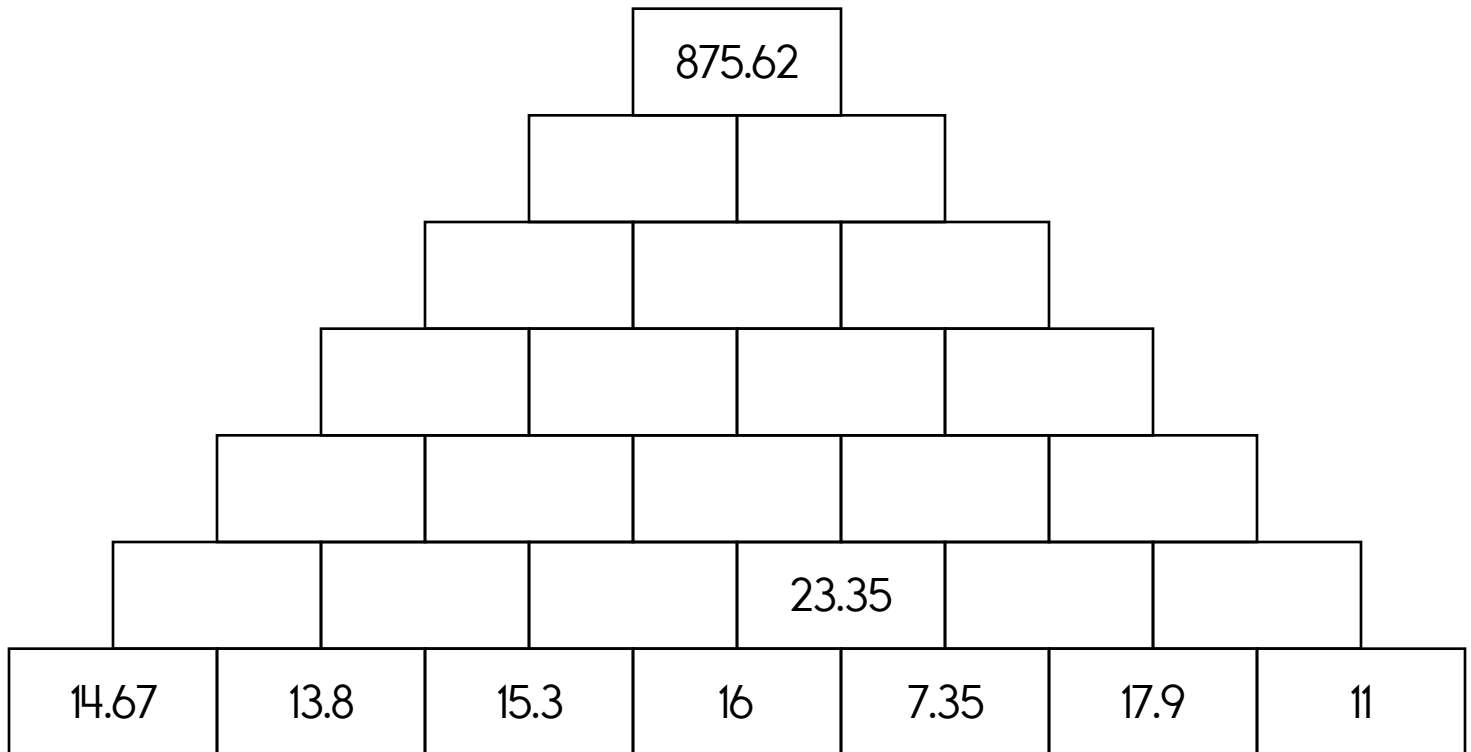


Name: _____

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



$108 \div 12 = \underline{\hspace{2cm}}$	$\begin{array}{r} 31 \\ + 41 \\ \hline \end{array}$	<p>Mary rolls two dice. What is the chance of her rolling a 5 on one die and a 6 on the other die?</p> <p>_____</p>	$\begin{array}{r} 395 \\ - 180 \\ \hline \end{array}$
--	---	---	---

word root **ecto** can mean **outer** **ectopic**

Name: _____

Guess the number in your head. Keep guessing until your numbers are correct.
Then write the correct answer!

$$\begin{array}{ccc} \text{Sad Face} & + & \text{Happy Face} = 18 \\ \text{Happy Face} & \times & \text{Sad Face} = 80 \\ \text{Sad Face} & - & \text{Happy Face} = \underline{\hspace{2cm}} \end{array}$$

$$\text{Sad Face} = \underline{\hspace{2cm}} \quad \text{Happy Face} = \underline{\hspace{2cm}}$$

4 before 17 _____	5 after 11 _____	7 after 18 _____
1 before 15 _____	6 after 17 _____	3 after 19 _____
7 before 18 _____	4 after 12 _____	2 after 15 _____
8 before 19 _____	1 after 16 _____	8 after 13 _____
3 before 11 _____	9 after 14 _____	4 after 11 _____
5 before 37 _____	3 after 46 _____	6 after 36 _____
6 before 95 _____	8 after 60 _____	5 after 58 _____
9 before 20 _____	7 after 79 _____	1 after 24 _____
2 before 58 _____	9 after 47 _____	2 after 75 _____

Name: _____

Sixty-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?

According to a survey, 82% of adults in the United States pray at least once a week. Out of a group of 12,500 adults, approximately how many pray at least once a week?

In each group, circle the number that has the greatest value, and put a square around

the number that has the least value.

8^2

8^4

8^3

7^3

7^4

7^1

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted can send 16 texts in 1 minute and 52 seconds. At precisely 2:16 and 0 seconds, Ted sat outside the school and started to send texts. He sent texts until 2:50 and 0 seconds when his phone ran out of power. How many texts do you think Texty Ted completed and sent?

Name: _____

Cross off the letter or number that does NOT belong.

3, U, n, 3, U, n, 3, U, n, 3, U, n, U

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

6.8, 25.9, 32.7, 58.6, 91.3, 149.9, 241.2, 391.1,
480.1, 632.3, 1023.4, 1655.7, 2679.1, 4334.8, 7013.9

Why does _____ not belong in the pattern?

Name: _____

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

F	R	R	D	□	N	□	T	□	□
V	□	S	□	B	L	□	L	W	S
P	□	□	□	L	D	R	□	B	M
R	M	□	C	H	□	N	□	R	Y
□	P	P	R	□	V	□	T	□	P
S	H	□	R	D	Y	T	L	H	L
P	S	C	□	W	L	□	L	□	□
□	S	R	□	T	T	□	R	□	N
R	R	□	D	D	L	□	T	S	□
L	D	□	R	T	C	R	A	Z	E

PRIVATE • DRAB • RIDDLE • PLANE
MACHINERY • VISIBLE • UTTER
DONATE • HARDY • SCOWL
CRAZE • PROSPER

How many millimeters are in 2 centimeters?

_____ millimeters

$$6 \times 4 =$$

$$\begin{array}{r} 49 \\ - 19 \\ \hline \end{array}$$

Can 590 be evenly divided by 10? Circle:

590 is evenly divisible by 10

590 is NOT evenly divisible by 10

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

$$\begin{array}{r} 374 \\ + 215 \\ \hline \end{array}$$

Write an equation to represent this:

The difference between eighteen and four is fourteen.

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

$$27 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

Name: _____

A bike originally priced at \$120 is marked down by 30%. What is the sale price?	Circle the addition property for $62 + 60 = 60 + 62$. associative property commutative property
$4 \times 11 =$ _____	

Circle the smallest number: 591,732 4,689,237 64,058,931,273 458,012,769,840	Fill in the missing operations to complete this equation: $43 \text{ ____ } 18 \text{ ____ } 17 = 42$
--	--

$371 + 531 =$ _____	Write this as a number in standard form. Use a comma in your number. three hundred fifteen thousand twenty-nine _____
---------------------	---

$8 \times 12 =$ _____	Can 487 be evenly divided by 7? Circle: 487 is evenly divisible by 7 487 is NOT evenly divisible by 7
$21 \div 7 =$	

$5,155 - 3,762 =$ _____	$10 \times 11 =$	$3 \times 10 =$ _____
-------------------------	------------------	-----------------------

$4 \times 12 =$ _____	$2 \times 12 =$ _____	$3 \times 4 =$
-----------------------	-----------------------	----------------

Name: _____

4 • ÷ • 1 • = • 4 • 8 • ÷ • 3 • 1 • 6 • 2 • 3 • 6 • 3 • = • 7
9 • x • 3

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

8	1		9	=	9						
		3									
5	x	2	=		0	0					
		6				÷	4				
			÷				5	÷			
		x		x		=	1	8			
1	0		=		6	6					
8	x	9	=		2	÷					
		0				4					
3		2	=	6		÷	3	=	1		
		9				9					

Robert took three numbers greater than 1 and multiplied them. One number was five and the other number was fifteen. Of course, he forgot the last number, but he remembered the product was 227. Is this possible?

For 3,546,402,772,433, write the digit that is in the ten thousands place.

What number is halfway between 15 and 23?

$579 + 134 =$ _____

Name: _____

Andrew and his friends Ryan, Jason, and Robert went to the pizza store and bought two whole pizzas. Each pie had nine slices. Figure out how many slices each person ate. Two slices were not eaten. They ate $\frac{2}{9}$ of a pie, $\frac{1}{3}$ of a pie, $\frac{4}{9}$ of a pie, or $\frac{7}{9}$ of a pie.

1. Andrew had less pizza than Robert.
2. Robert was the one that ate $\frac{1}{3}$ of a pie.
3. Jason was the one that ate $\frac{4}{9}$ of a pie, which was one more slice than Robert and three less slices than Ryan.

Andrew ate _____ slice(s).

Robert ate _____ slice(s).

Jason ate _____ slice(s).

Ryan ate _____ slice(s).

Jessica took three numbers greater than 1 and multiplied them. One number was six and the other number was seventeen. Of course, she forgot the last number, but she remembered the product was 1428. Is this possible?

Can 393 be evenly divided by 3? Circle:
393 is evenly divisible by 3
393 is NOT evenly divisible by 3

$5 \times 3 = \underline{\hspace{2cm}}$

$9 \times 10 = \underline{\hspace{2cm}}$

$120 \div 12 = \underline{\hspace{2cm}}$

$36 \div 3 = \underline{\hspace{2cm}}$

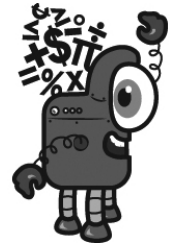
Name: _____

Mental Math

— #1 —

☀ Start with the number 808.

808



☀ Round that number to the nearest ten.

8 1 0 4 1 3 9 6 6 6 (Circle your answer to double check you are correct.)

☀ Add the number of inches in 3 feet.

7 6 8 4 6 5 4 2 8 2

☀ Round that number to the nearest ten.

4 7 8 9 1 8 5 0 3 9

☀ Add the number of cups in 3 quarts.

8 9 3 0 8 6 2 4 5 8

☀ Add half of 46.

7 8 8 5 6 8 3 6 9 6

☀ Round that number to the nearest ten.

8 0 4 2 2 4 8 9 0 2

☀ Subtract 14.

3 4 4 8 7 6 9 9 6 6

☀ Add the number of ounces in 2 pounds.

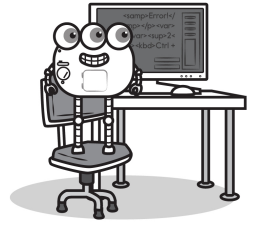
9 9 3 8 6 9 0 8 7 2

☀ Subtract 17.

1 7 7 5 3 0 8 9 1 0

☀ Add half of 52.

5 8 1 5 9 1 7 4 7 9



Name: _____

Robot was given a math problem to solve.

Justin collected models of dinosaurs. He found a T-Rex model that was almost three feet tall! The price of the model was \$12. If he gives the clerk \$20 for the model, how much money will he get back?

Robot wrote this program in Python to solve it.

```
# Python program to solve the problem

# Variables
price_of_model = 12 # Price of the T-Rex model
money_given = 20 # Money given by Justin

# Compute the change
change = money_given - price_of_model

# Output the change
print(change)
```

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



Hint and a Question

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

Name: _____

$$\frac{4}{9} = \frac{?}{63}$$

Write as a decimal.

$$\frac{4}{100}$$

$$\begin{array}{r} 571 \\ 917 \\ 297 \\ + 948 \\ \hline \end{array}$$

$$9 - 18 =$$

Write the reciprocal.

$$\frac{13}{15}$$

$$19 - \frac{2}{3} =$$

Is the greatest common factor of 3 and 9 smaller, equal to, or greater than the least common multiple of 3 and 9?

Write the decimal in words.
37.7

Find the least common denominator.

$$\frac{12}{7} \text{ and } \frac{10}{14}$$

$$m + 20 = 33$$

Change to a percent.
2.18

Rewrite $14 - 9$

Using numbers: -9 and 14

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

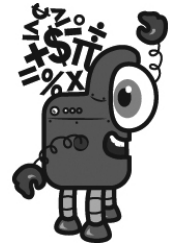
Name: _____

Mental Math

— #1 —

☞ Start with the number 382.

382



☞ Increase that number by 18.

4 0 0 2 1 8 7 8 3 5 (Circle your answer to double check you are correct.) _____

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

5 4 2 2 6 8 8 6 9 0 _____

☞ Add half of 60.

1 8 3 3 4 4 6 1 5 4 _____

☞ Increase that number by 2.

7 0 3 6 9 2 8 3 3 6 _____

☞ Find eight-ninths.

7 0 3 6 1 3 8 3 2 4 _____

Mental Math

— #2 —

❖ Start with the product of 12 and 3.

3 6 7 1 9 6 2 7 8 3 (Circle your answer to double check you are correct.) _____

❖ Find one-third.

2 2 5 1 2 1 8 7 9 6 _____

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

7 6 8 0 3 0 4 0 1 3 _____

❖ Triple that number.

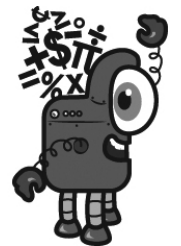
6 6 1 0 7 6 2 0 9 1 _____

❖ Add the number of inches in 3 feet.

3 2 6 8 8 2 1 4 5 0 _____

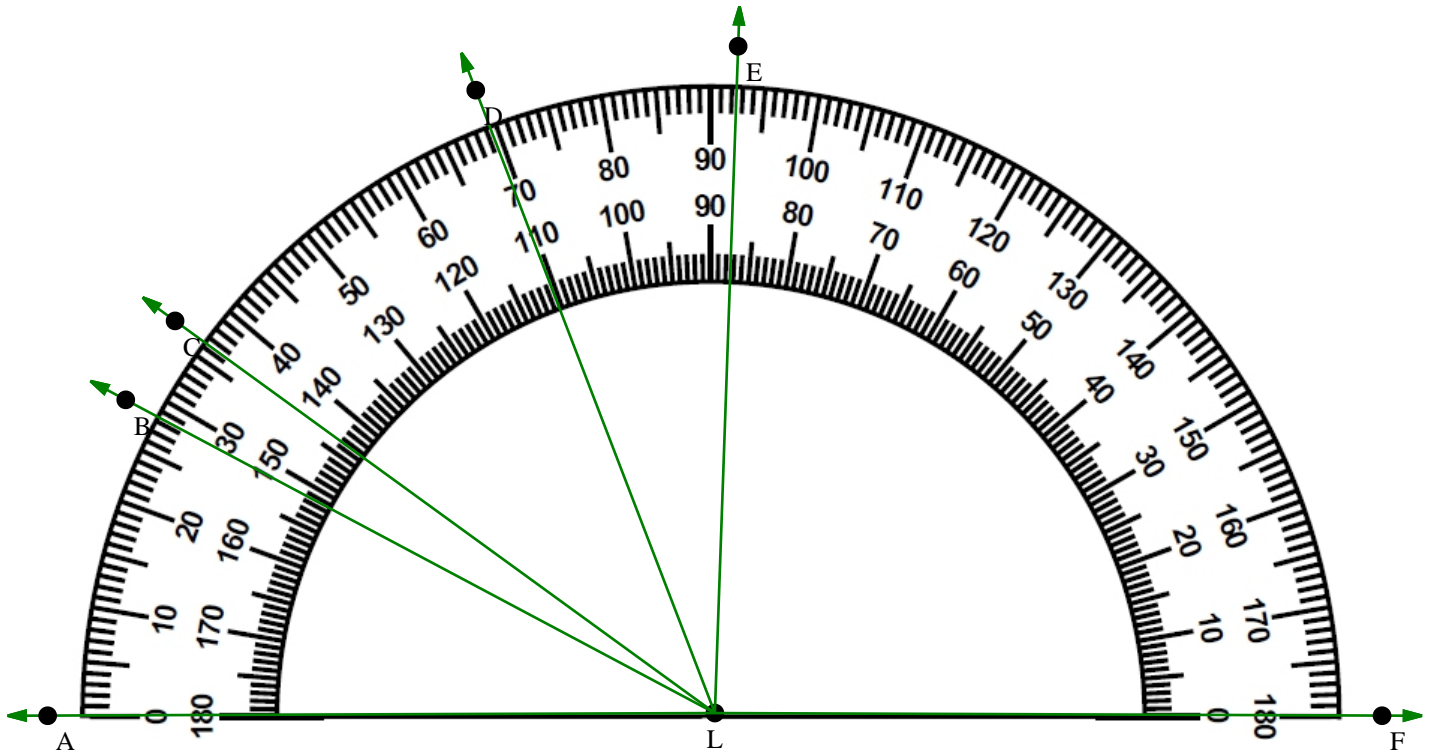
❖ Multiply the tens digit by the ones digit. The product is your new number.

9 5 2 0 3 6 4 6 1 3 _____



Name: _____

Write the measurement for each angle.



$\angle ALD = 69^\circ$ _____

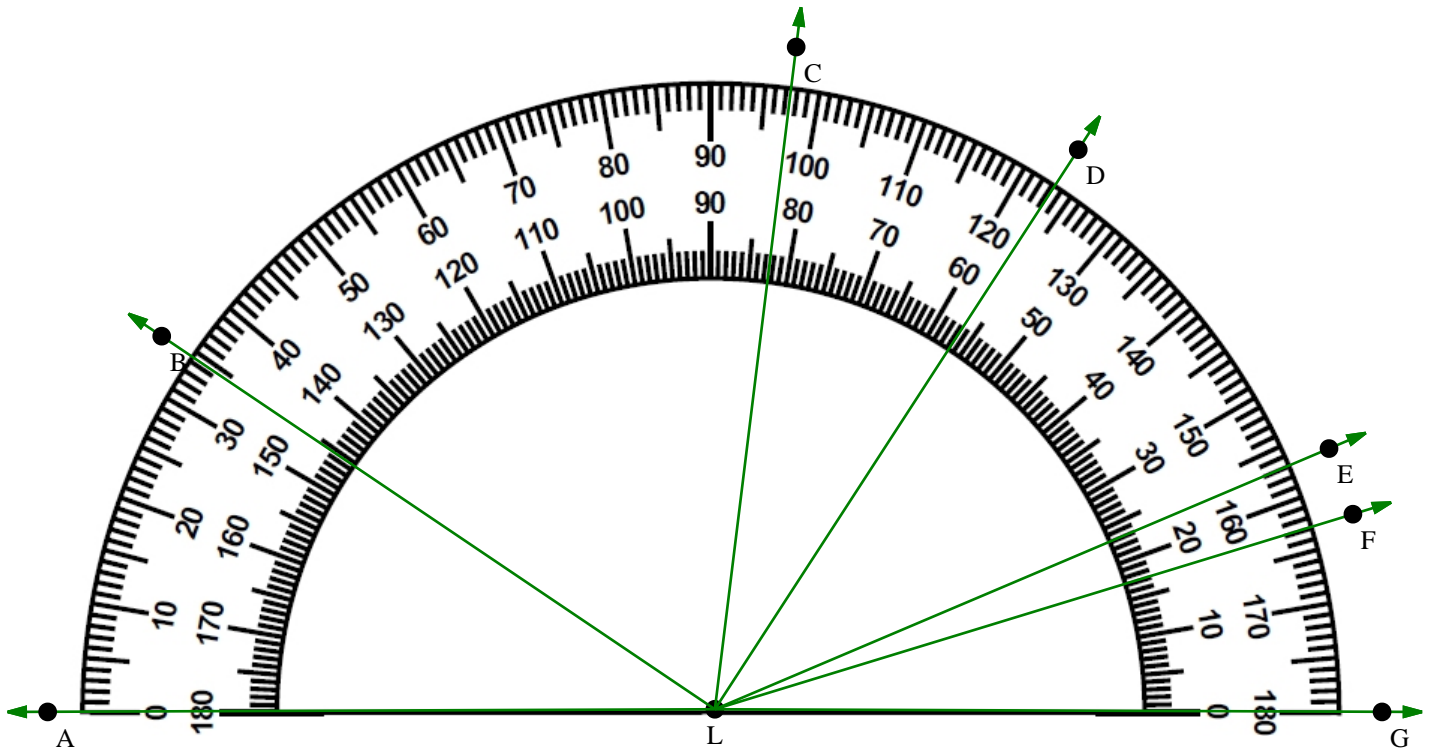
$\angle BLA =$ _____

$\angle FLD =$ _____

$\angle DLE =$ _____

$\angle DLB =$ _____

$\angle ELC =$ _____



$\angle ALB =$ _____

$\angle ELA =$ _____

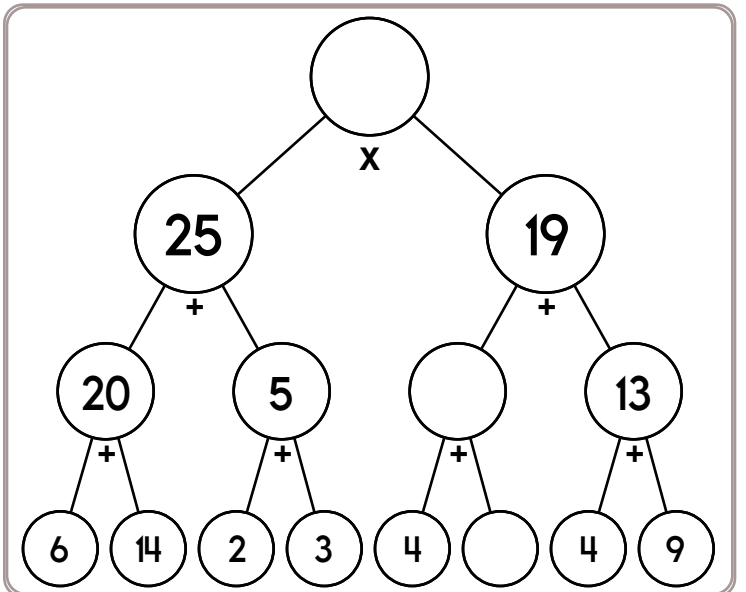
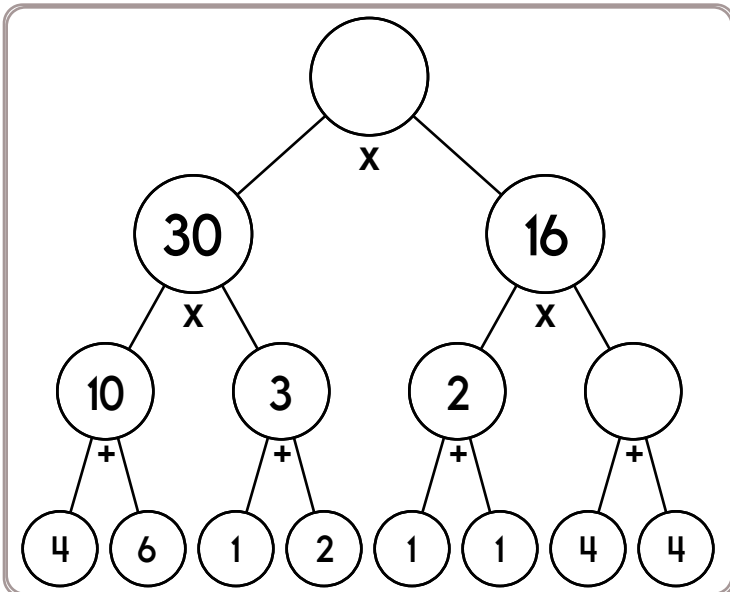
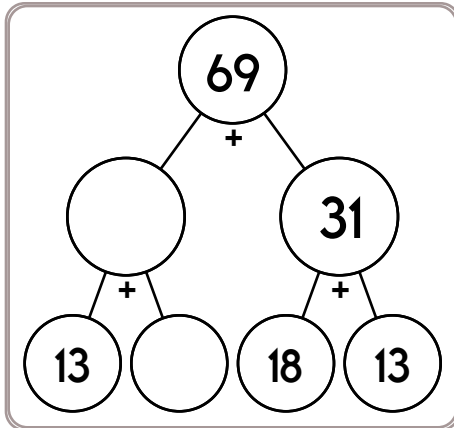
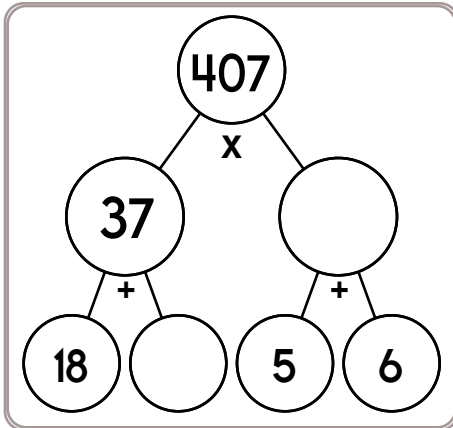
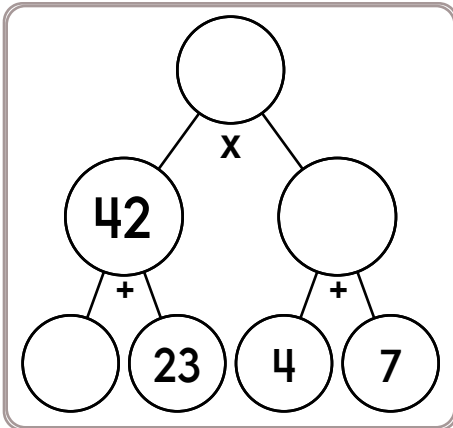
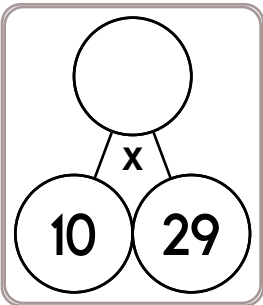
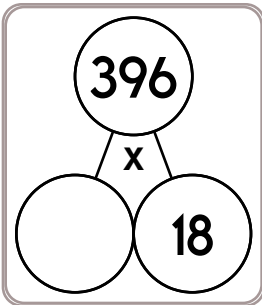
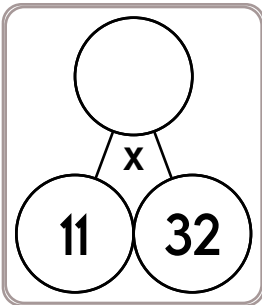
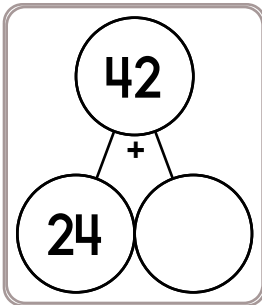
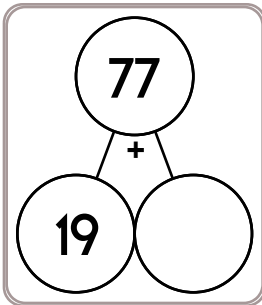
$\angle ELC =$ _____

$\angle FLE =$ _____

$\angle ELD =$ _____

$\angle GLF =$ _____

Name: _____



$$\begin{array}{r} 48 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 843 \\ \times 8 \\ \hline \end{array}$$

$$3 \overline{)198}$$

Name: _____

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

(230,660,156,250), (15,377,343,750), (1,025,156,250),
(68,343,750), (4,556,250), (303,750),
(20,250), _____, _____

(474,351,505,988), (27,903,029,764), (1,641,354,692),
(96,550,276), (5,679,428), (334,084),
(19,652), (1,156), _____

What is the rule for each pattern?

85, 88, 75, 76, 65, _____, _____, 52, 45, 40, 35, 28, 25

27, _____, _____, 14, 21, 21, 18, 28, 15, 35, 12, 42, 9, 49

Name: _____

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

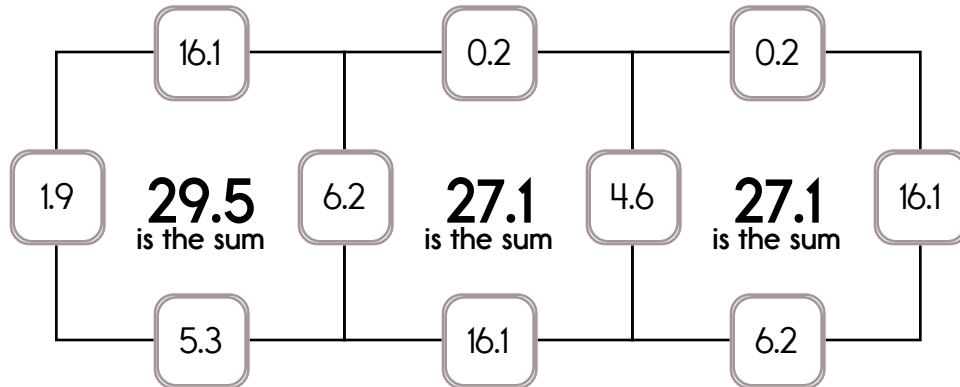
Example:

$$1.9 + 6.2 + 16.1 + 5.3 = 29.5$$

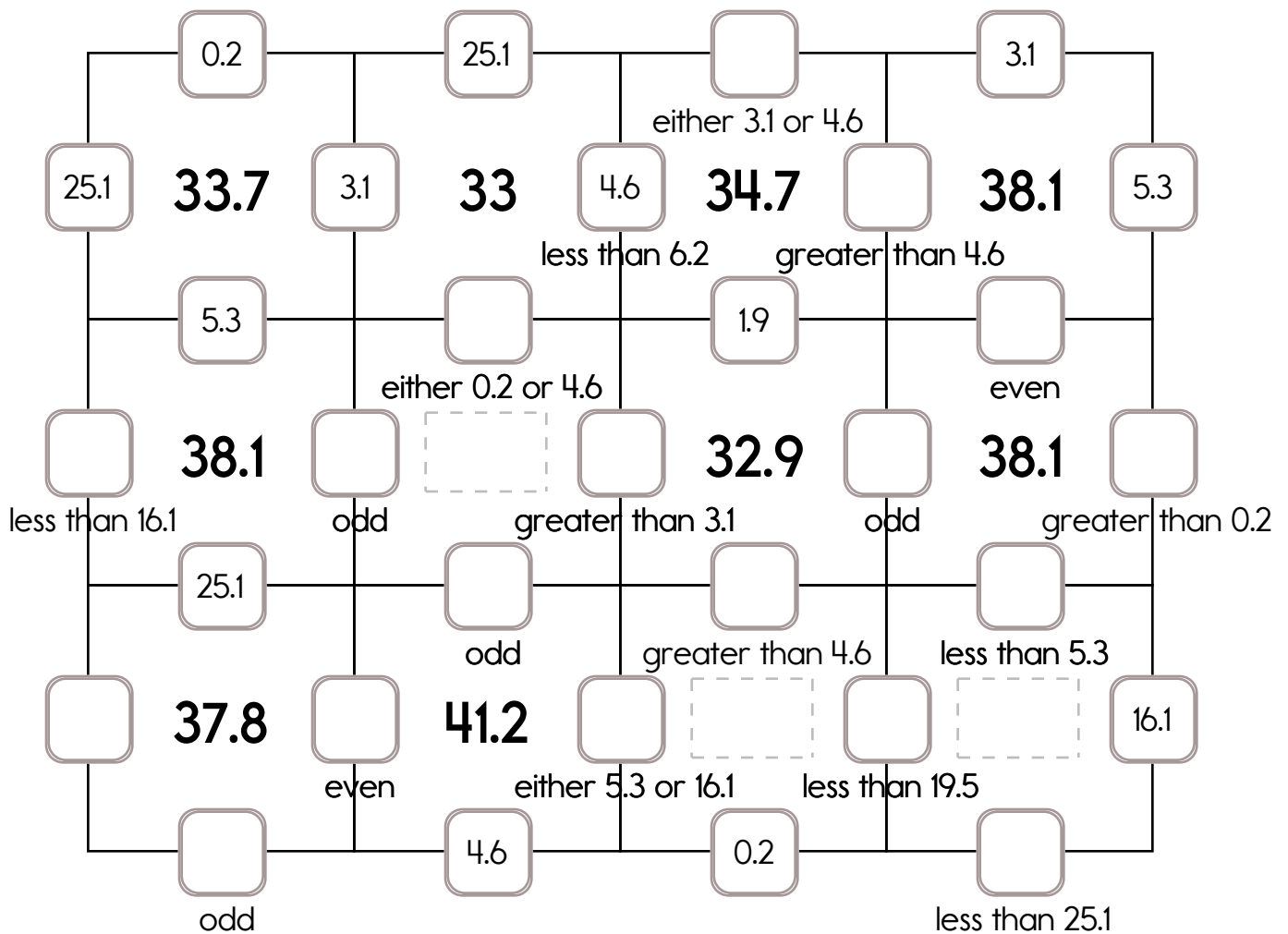
Example:

$$4.6 + 16.1 + 0.2 + 6.2 = 27.1$$

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: 25.1, 19.5, or 16.1. The other three numbers have to all be DIFFERENT and must be from these: 5.3, 1.9, 0.2, 6.2, 3.1, or 4.6.



Name: _____

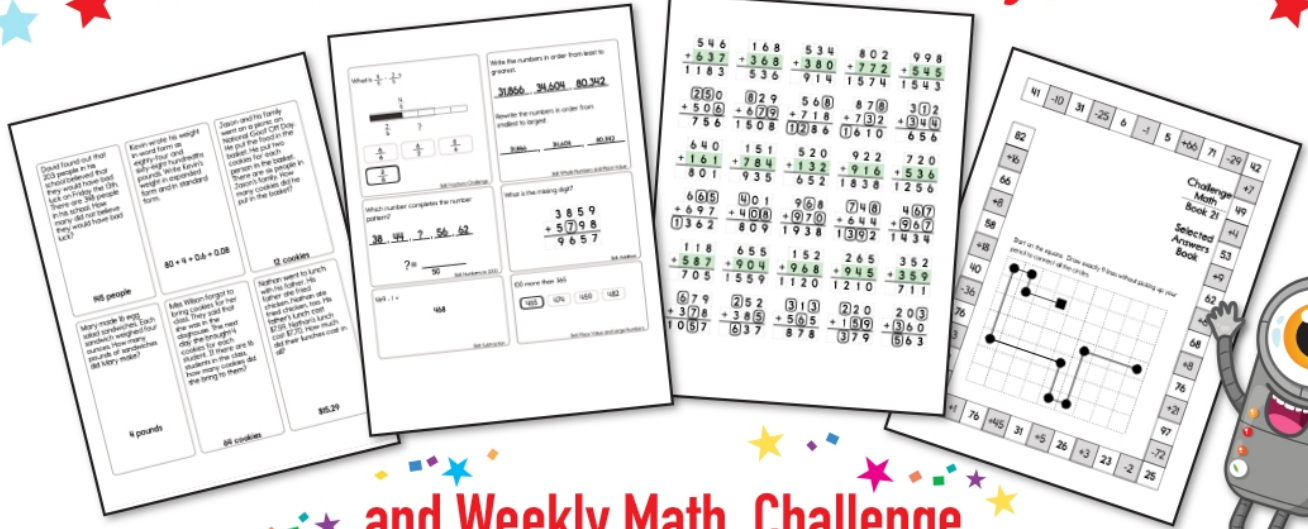
Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 24.5, 12.5, or 29.6. The other three numbers have to all be DIFFERENT and must be from these: 8.1, 1.8, 3.3, 2.7, 4.1, 7.4, or 6.9.

	7.4		1.8		1.8		6.9	
24.5	39.3	3.3	25	7.4	36.4	2.7	30.2	
	4.1		12.5					
	44.1		28		32.3		28.6	
				2.7				
	37.4				46.6		42.5	
	37.4		43.7		42.1		48.4	
	24.5		28					

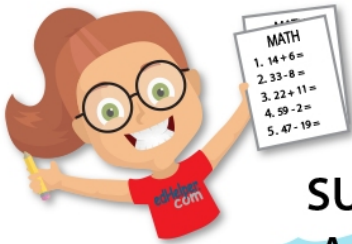
Annotations for the grid:

- Between 24.5 and 30.2: greater than 1.8
- Between 30.2 and empty: either 3.3 or 8.1
- Between 12.5 and empty: either 12.5 or 24.5
- Between empty and 28.6: less than 24.5
- Below 24.5: odd
- Below 39.3: even
- Below 28: either 3.3 or 8.1
- Below 32.3: less than 29.6
- Below 28.6: odd
- Below empty: even
- Below empty: greater than 4.1
- Below 37.4: either 6.9 or 24.5
- Below empty: greater than 1.8
- Below empty: even
- Below 46.6: odd
- Below 42.5: odd
- Below empty: odd
- Below empty: either 7.4 or 29.6
- Below empty: odd
- Below empty: less than 6.9
- Below 37.4: less than 29.6
- Below empty: even
- Below 43.7: odd
- Below empty: greater than 6.9
- Below empty: either 8.1 or 4.1
- Below 24.5: even
- Below empty: less than 12.5
- Below empty: even
- Below empty: odd
- Below empty: odd
- Below empty: even
- Below empty: greater than 2.7
- Below empty: either 1.8 or 2.7

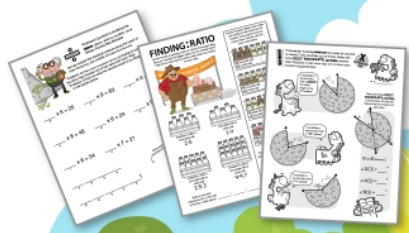
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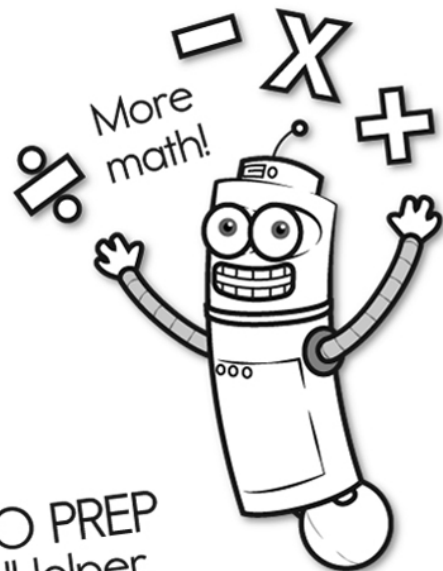
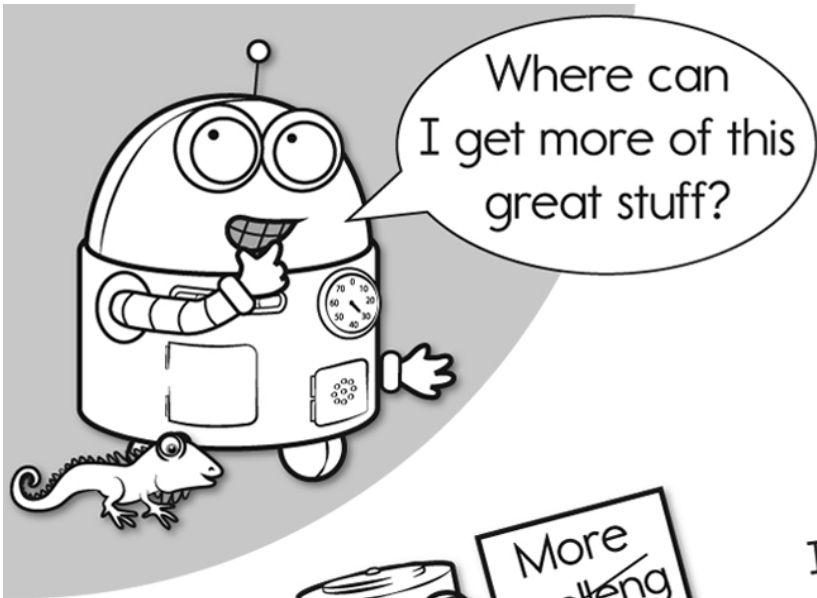
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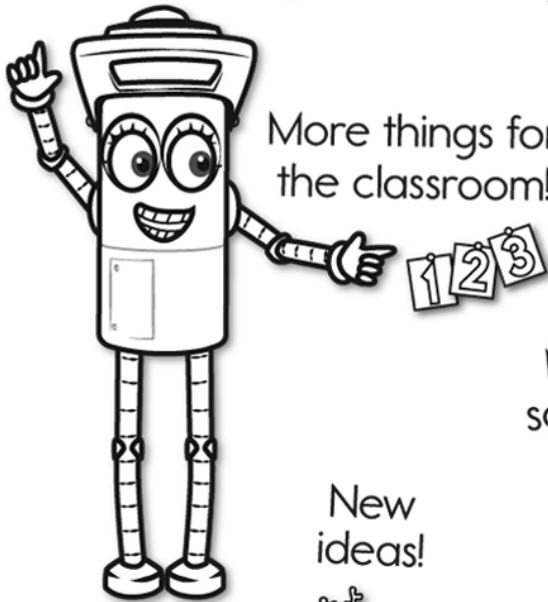


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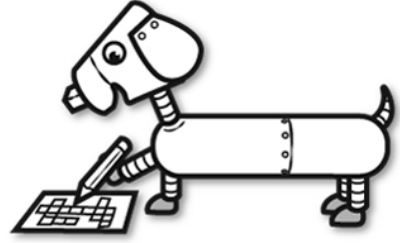


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