

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

Megan's handwriting is beautiful and she likes to practice making pretty letters. On holidays her mother lets her make place cards for the dinner table. This Thanksgiving Megan made thirteen place cards. She drew a cornucopia on each one then wrote the person's name beside it. If it took her fourteen minutes to make one, how long did it take her to make all thirteen place cards?

Rosa couldn't decide what kind of ribbon to buy for her hair. There was a bin in the store that had 100 ribbons in it. There were an equal number of red, blue, pink, lavender, and white ribbons in the bin. A third of the ribbons were lacy; the rest were plain. If Rosa closes her eyes and pulls out a ribbon, what are the odds it will be plain pink?

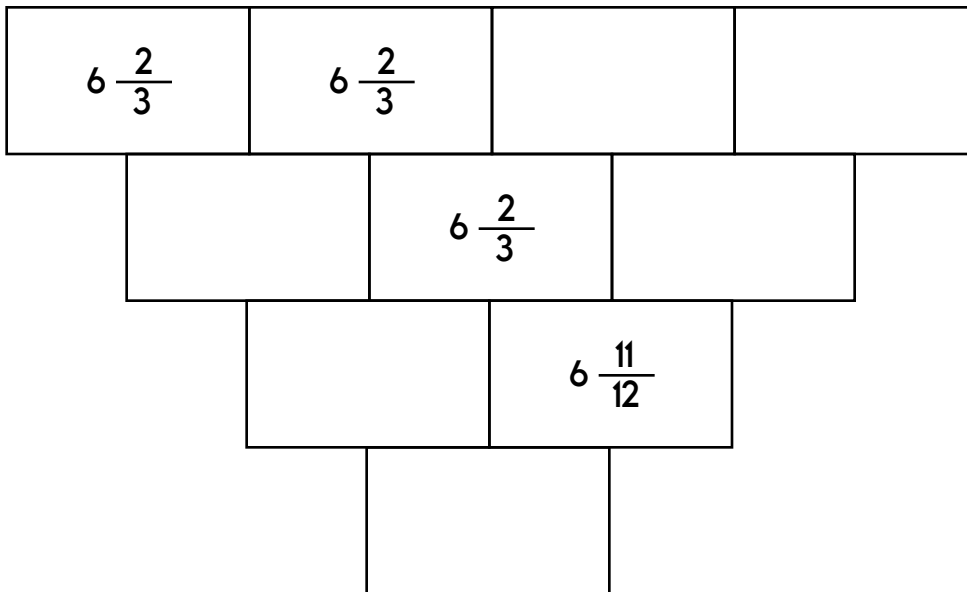
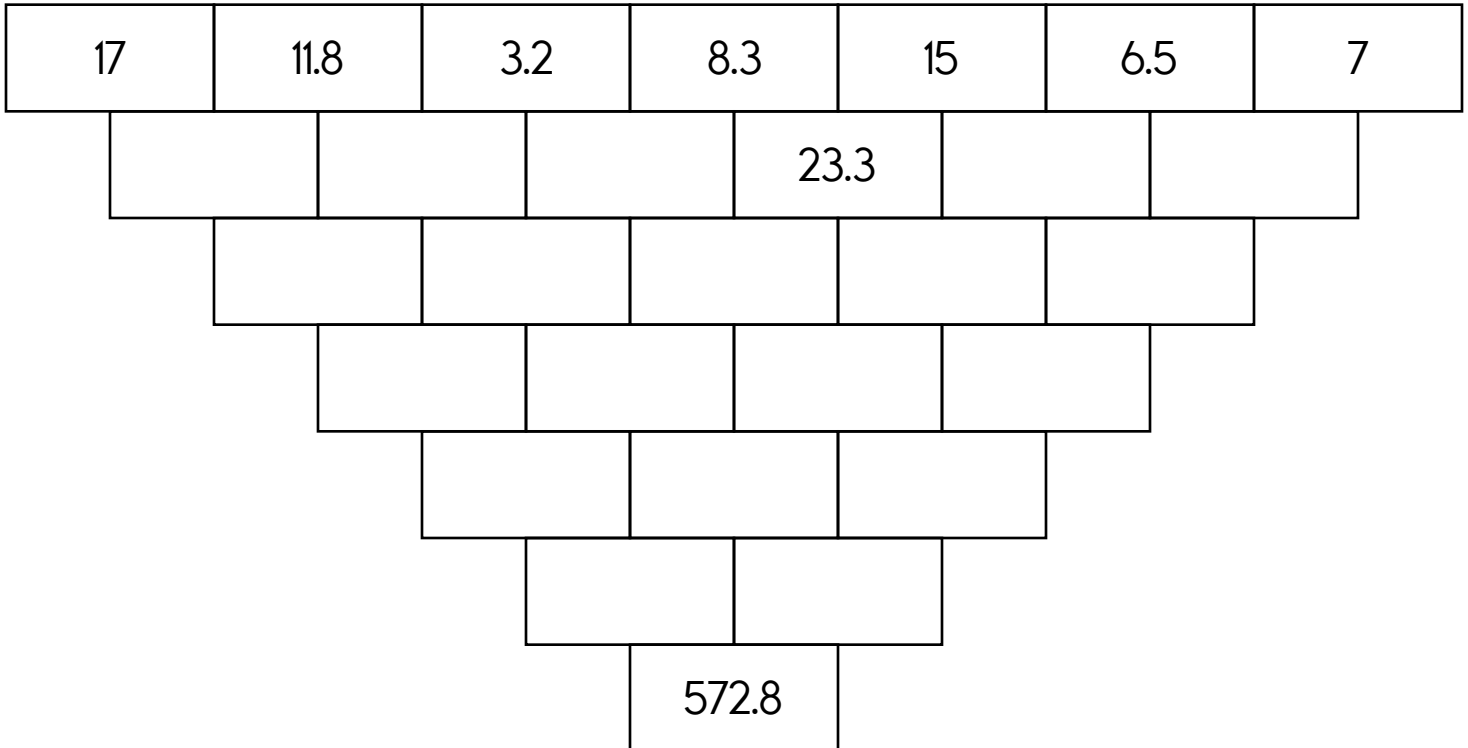
The city's Freedom Memorial Garden was enclosed by a fence put up in the shape of a parallelogram with a base of 142 feet and a height of 117 feet. What was the area of the garden?

Kevin used 9 cups of sand to build his sandcastle. Then he decided he wanted to add a wall. He used a total of 14 cups of sand. How many cups did he use to add the wall? Write an equation and solve it.

If a rubber band can be stretched to a circular shape that has a radius of 3.1 inches. How many 1.2-mm diameter toothpicks could fit within it? (1 inch = 25.4 mm)

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



1 km = 1,000 m	6,448 - 1,932 = _____
19 km = _____ m	
20 ÷ 2 = _____	(9 + 7) + 3 = _____

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$$\begin{array}{r} 437 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 779 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 152 \\ - 63 \\ \hline \end{array}$$

$$\begin{array}{r} 848 \\ - 57 \\ \hline \end{array}$$

$$\begin{array}{r} 425 \\ - 89 \\ \hline \end{array}$$

$$\begin{array}{r} 784 \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} 962 \\ - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 725 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 981 \\ - 97 \\ \hline \end{array}$$

$$\begin{array}{r} 841 \\ - 91 \\ \hline \end{array}$$



$626 - 42 =$

$674 - 56 =$

$315 - 95 =$

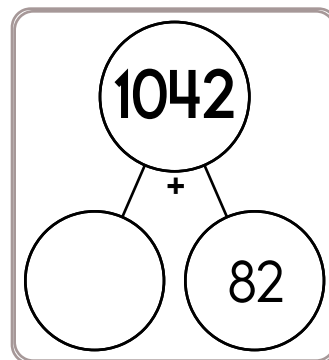
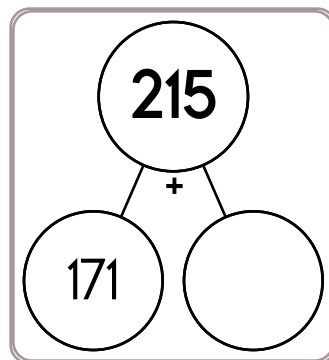
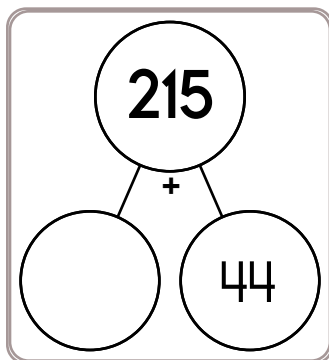
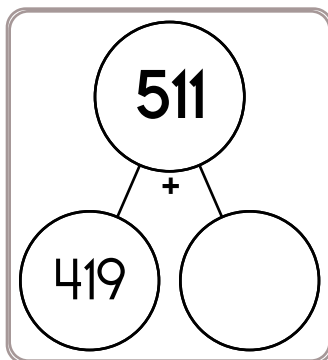
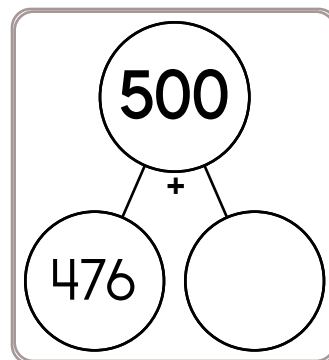
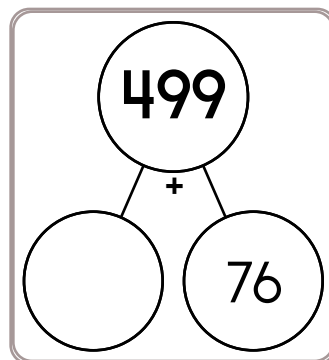
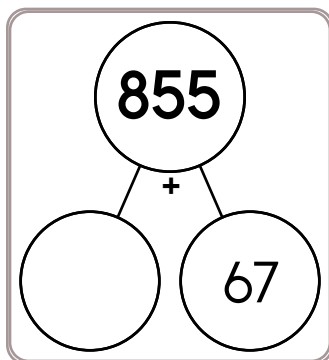
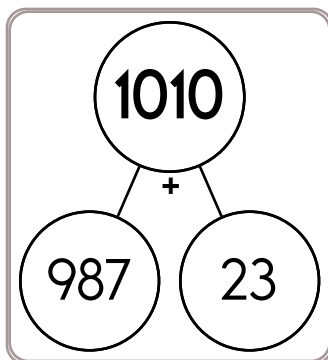
$777 - 81 =$

$326 - 27 =$

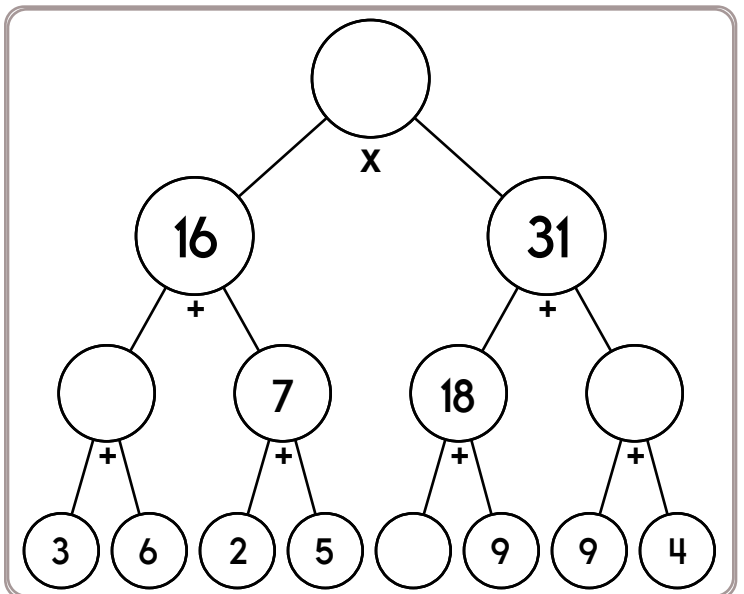
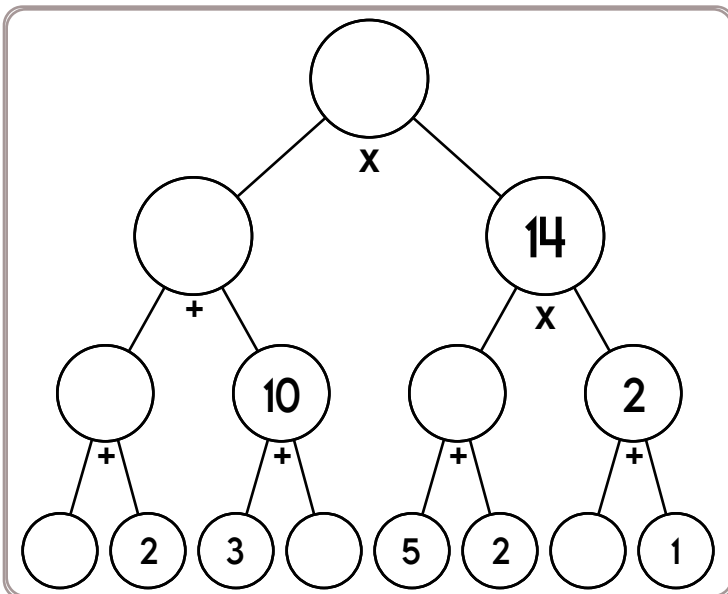
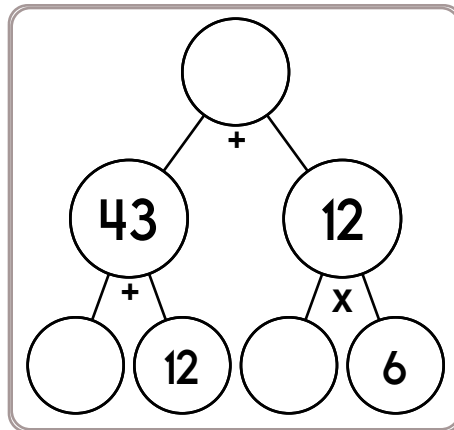
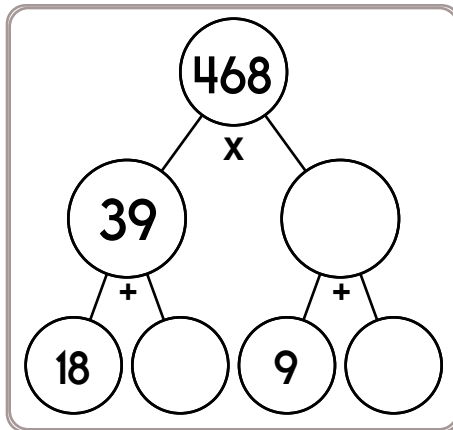
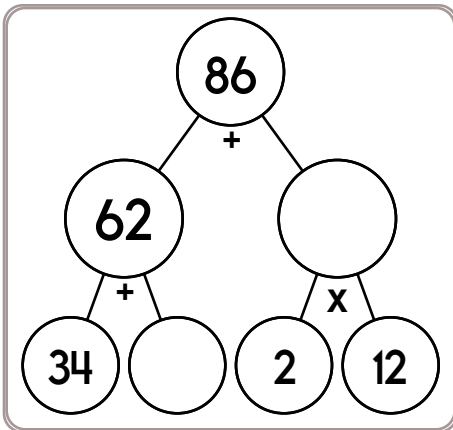
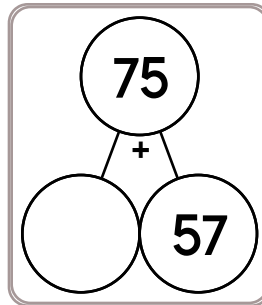
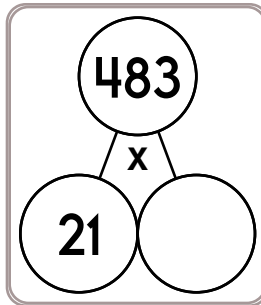
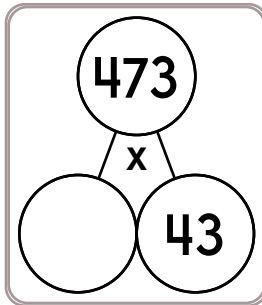
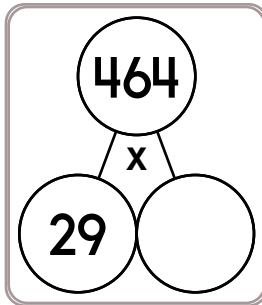
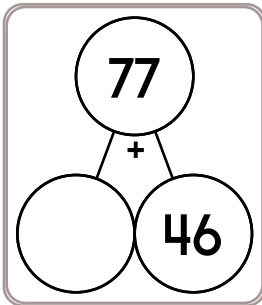
$677 - 48 =$

$125 - 66 =$

$358 - 20 =$



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

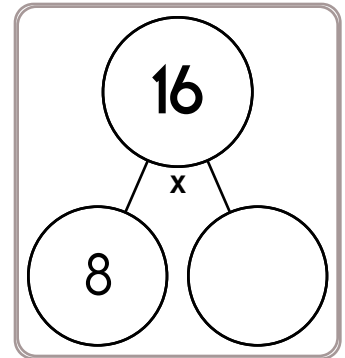
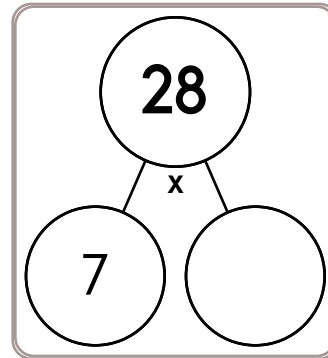
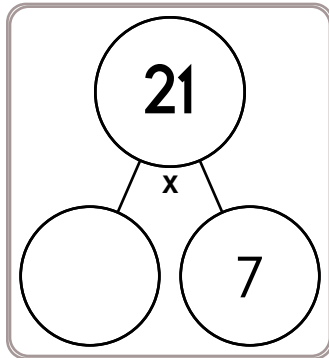
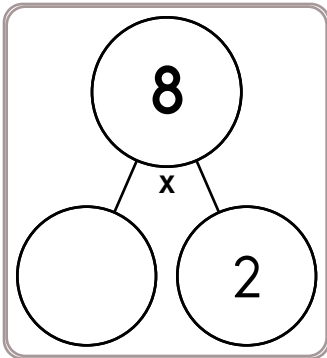
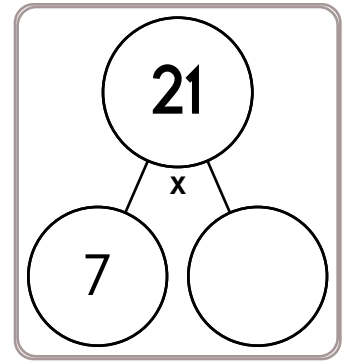
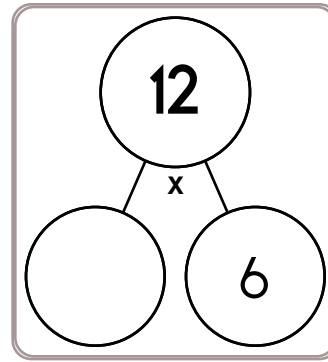
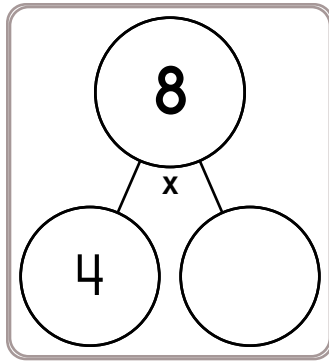
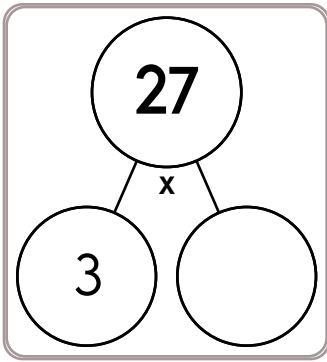


$$\begin{array}{r} 8 \\ - 5 \frac{4}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 86,976 \\ - 74,801 \\ \hline \end{array}$$

$$\begin{array}{r} 869 \\ + 87 \\ \hline \end{array}$$

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$$2 \overline{) 8}$$

$$3 \overline{) 12}$$

$$4 \overline{) 24}$$

$$8 \overline{) 40}$$



$35 \div 7 =$

$81 \div 9 =$

$45 \div 5 =$

$18 \div 3 =$

$6 \div 2 =$

$40 \div 5 =$

$36 \div 6 =$

$32 \div 4 =$

$18 \div 2 =$

$49 \div 7 =$

$30 \div 5 =$

$27 \div 9 =$

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Rose spends  $1\frac{1}{3}$  hours each day working on her homework. How many hours does she work on homework in 10 days?

Megan looked at the prices of the fancy pens and quickly estimated (to the nearest dollar) the cost of a typical fancy pen. The prices were \$2.20, \$2.64, and \$5.63. What is the cost of a typical fancy pen, and how did she do it?

David 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 pretzels,  $\frac{3}{5}$  cup of raisins, and  $\frac{1}{2}$  cup of Goldfish crackers. How many cups of food are now in the bowl?

Show the steps to solve  $9(35 + 8 - 18) \times 12 - 59 + 39 + 944$ .

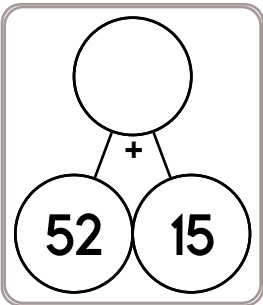
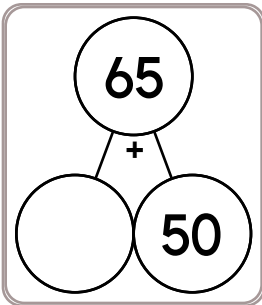
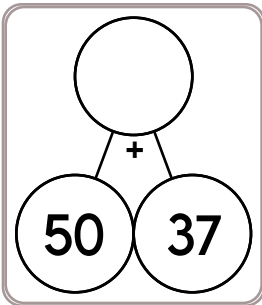
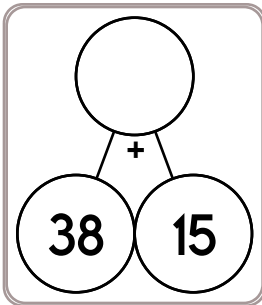
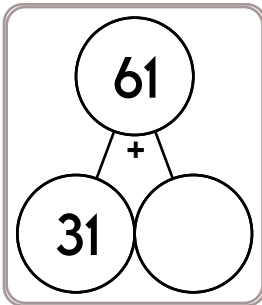
Step 1. Parentheses

Step 2. Exponents

Step 3. Multiplication & Division (or Division & Multiplication!)

Step 4. Addition & Subtraction (or Subtraction & Division!)

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$$2 - 3 - 2 =$$

$$5 - 6 =$$

$$9 - 14 =$$

$$0.6 (0.3 (0.6 \times 2)) =$$

$$t - 10 + t = 22$$

What is the value of t?

Rewrite  $\frac{13}{25}$  as a decimal.

What is the prime factorization of 60?

Write as an algebraic expression.

$71\frac{1}{10}$  divided by the difference of w and m

The angles in a quadrilateral measure  $81^\circ$ ,  $69^\circ$ ,  $100^\circ$ , and  $s^\circ$ . What is the value of s?

If  $5x = 80$ , then  $x =$

$$21 - t + 7 = 14$$

What is the value of t?

If  $a = 8$  and  $b = 5$ , then  $3a + b =$



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Get a fidget spinner! Spin it.

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

$$\underline{\quad} \div 5 = 6$$

Name the shape with four sides and four angles.

Emily has 26 nickels. How much money is that?

Justin earns \$24 an hour. He worked 2 hours. How much did he make?

$$12 \times 7 =$$

How many tens are in the number 70?

It was 95 degrees outside. What would the temperature be if it got 17 degrees colder?

Round 14,506 to the nearest thousand.

39, 52, 65, 78, 91, 104,  
\_\_\_\_\_, 130, 143

Anne bought a stuffed animal at the school store. She paid with a \$5 bill. She was given back 8 dimes and 2 quarters for change. How much was the stuffed animal?

$\frac{1}{216}$ ,  $\frac{1}{36}$ ,  $\frac{1}{6}$ , (1), (6),  
(36), (216), \_\_\_\_\_,  
(7,776), (46,656)

8, 8, 2, 2, 8, \_\_\_\_\_, 2, 2,  
8, 8, 2, 2, 8, 8, 2, 2





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Spin again.

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

This number is one hundred more than 4,363.

What number is halfway between 33 and 37?

How many total legs are on 7 ants?

$$19 + \underline{\quad} + 27 = 64$$

$$24 \div \underline{\quad} = 8$$

Round 1828 to the nearest hundred.

Megan has 72 cookies. She and her 8 friends shared them equally. How many cookies did Megan keep?

$$12 \div \frac{1}{2}$$

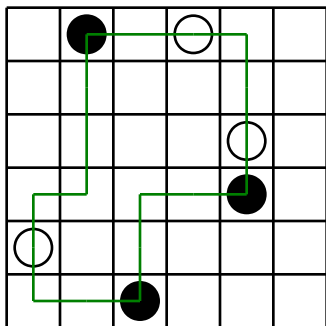
Estimate quickly the difference.  
 $4,450 - 2,670$

$$5 \times 48 \div 12$$

Round 84,684 to the nearest hundred.

36, 56, 76, 96, \_\_\_\_\_, 136,  
156, 176

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

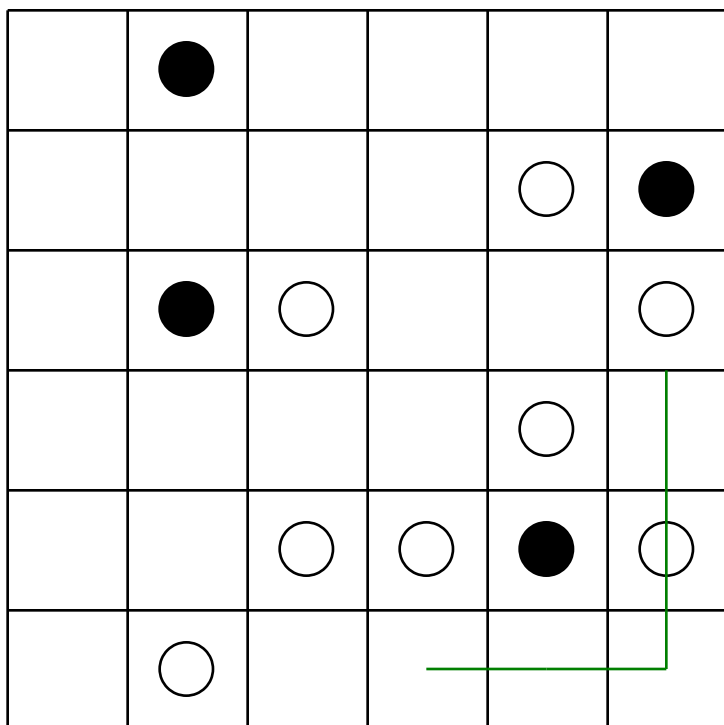


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

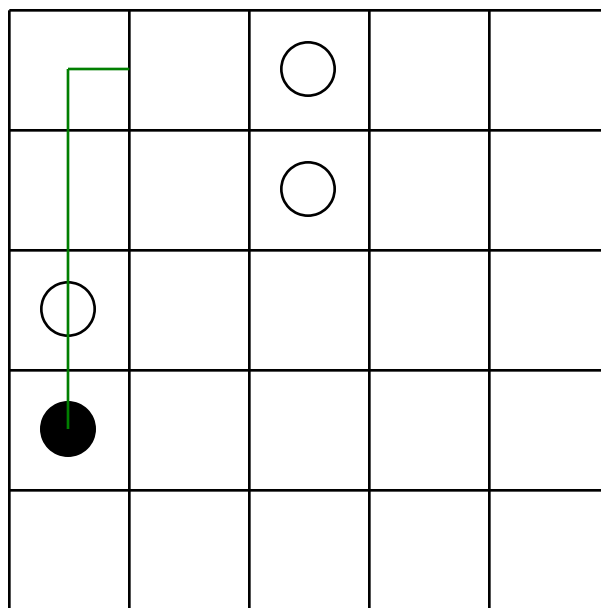
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



Circle the addition property for  $26 + 110 = 110 + 26$ .

- associative property
- commutative property

$8 \text{ kg} = \text{_____} \text{ g}$

$$\begin{array}{r} 342 \\ + 481 \\ \hline \end{array}$$

Circle the greatest number:

- 7,580,439,292
- 57,209,316
- 8,416
- 458,716,035,670

$12 \times 3 = \text{_____}$

$15 \div 5 =$

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### Sudoku Sums of 7

Each row, column, and box must have the numbers 1 through 6.  
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 7.

Here is an example of a sudoku sum of 7:



4					6
		3	5		
3				5	
			1		
5			3	4	

$$\begin{array}{r} 25 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ - 45 \\ \hline \end{array}$$

4,264 + 1,333 = \_\_\_\_\_

How many feet are in 3 yards?

\_\_\_\_\_ feet

Can 477 be evenly divided by 6? Circle:

477 is evenly divisible by 6

477 is NOT evenly divisible by 6

9,269 - 4,392 = \_\_\_\_\_

$$\begin{array}{r} 298 \\ - 216 \\ \hline \end{array}$$

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12% of 100 is 12. 12% of 200 is 24. 12% of 500 is 60.  What is 12% of 600?	$26,571 + 38,919 =$ _____
	$812 + 391 =$ _____
	What number is halfway between 11 and 19?

$5 \times 4 =$	Can 829 be evenly divided by 12? Circle: 829 is NOT evenly divisible by 12 829 is evenly divisible by 12
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Amanda and Holly are playing a number game. Amanda says 6. Holly replies that the answer is 48. Amanda says 8. Holly replies that the answer is 64. Amanda says 1. Holly replies that the answer is 8. Amanda says 9. Holly is thinking. What number should Holly reply with?	$9 \times 7 =$ _____
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$3 \times 11 =$ _____	$5 \times 10 =$	$12 \times 9 =$ _____	$28 \div 7 =$
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$60 \div 6 =$ _____	$6 \times 3 =$ _____	What time is 13 hours after 3:00 a.m. _____
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9	•	1	•	6	•	1	•	+	•	+	•	2	•	3	•	5	•	=	•	2	•	=	•	1	•	6	•	8	•	=	5
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

9	-		=	7	-	7						
						+						
		1	-	0	=	5	+					
								=				
9					+	3			7	=	1	1
-		2										3
		2	+		=						3	
											=	
7		5	+		=						5	
-			1								-	
0	+			8								
			5									

You cannot decide what pizza store to go to. Rose's pizza cuts their pizza into 4 slices. Each slice costs \$5 each. Ava's pizza cuts their pizza into 3 slices. Each slice costs \$5 each. If you like each pizza the same, which pizza store has the better buy?

Circle the smallest number:

- 754,092,316
- 14,658
- 3,197,204,856
- 7,892,306

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Add one set of parenthesis to each equation so that the equation is true.

$$(12 + 1) - 10 = 3$$

$$4 + (3 \times 2) = 10$$

$$8 \div 2 + 2 = 2$$

$$8 \div 2 + 2 = 6$$

$$10 + 9 - 1 \times 2 = 26$$

$$10 + 9 - 1 \times 2 = 17$$

$$5 + 12 - 12 + 1 = 6$$

$$11 - 9 \times 9 + 9 = 27$$

$$1 - 1 + 4 \div 2 = 2$$

$$3 \times 6 + 10 - 8 = 40$$

$$8 - 1 \div 7 + 5 = 6$$

$$12 - 4 + 7 + 1 = 2$$

$$9 + 8 - 2 + 10 = 25$$

$$8 + 1 \div 3 + 6 = 9$$

$$10 + 11 + 5 - 11 = 15$$

$$9 + 5 - 4 \div 2 = 12$$

$$3 - 2 + 9 \times 10 = 91$$

$$6 + 11 - 3 \times 1 = 14$$

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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	689	780	715	910	65	327	949	923	689
494	208	248	806	533	247	221	273	395	468
290	334	864	962	468	12	663	377	853	611
626	951	767	468	780	733	890	512	676	299
157	155	884	936	416	766	274	78	143	927
303	835	93	143	962	442	39	403	286	520
720	625	342	78	377	176	546	364	208	338
366	140	31	260	533	902	559	975	195	26
663	156	572	585	666	234	637	807	786	257
429	897	117	611	169	624	442	858	52	END

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Which answer has the greatest unit size?

- A) 15 yd
- B) 171 in
- C) A and B are equal.

Greg's house has a garden that is in the shape of a square. If each side of the garden is 18 feet, then what is the perimeter of the garden?

- A) 64 feet
- B) 54 feet
- C) 36 feet
- D) 72 feet

$100 \times 40,000$  is equivalent to which answer?

- A)  $10,000 \times 4,000$
- B)  $10 \times 400,000$
- C)  $10 \times 400$
- D)  $10,000 \times 4,000,000$

What is 2,439,941 rounded to the nearest hundred thousand?

- A) 2439900
- B) 2500000
- C) 833607
- D) 2400000

What number should be filled in for the \_\_\_\_\_ to complete this number sentence?

$$16 \times (4 \div 2) = (10 \div 2 + 3) + \underline{\hspace{2cm}}$$

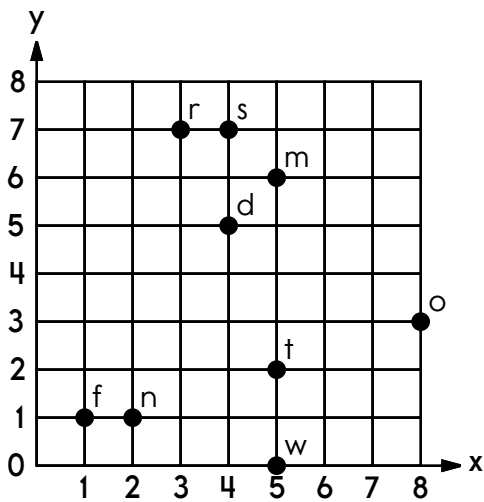
- A) 24
- B) 4
- C) 51
- D) A and B are equal.

$$5 \times (12 + 7) = \underline{\hspace{2cm}} - 13?$$

- A) 108
- B) 102
- C) 80
- D) A and B are equal.



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s (4, 7)

f \_\_\_\_\_

o \_\_\_\_\_

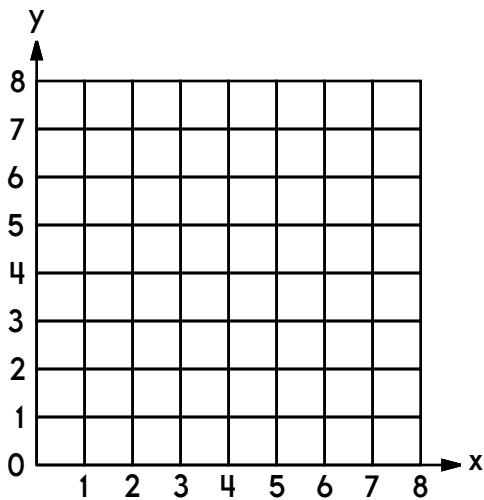
w \_\_\_\_\_

m \_\_\_\_\_

d \_\_\_\_\_

t \_\_\_\_\_

r \_\_\_\_\_



Plot m at (3, 0).

Plot f at (4, 7).

Plot o at (2, 6).

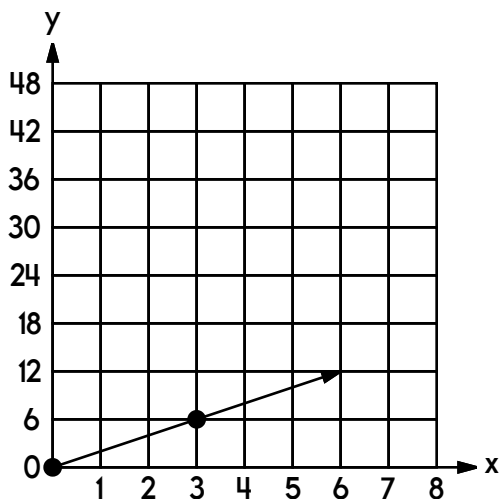
Plot u at (0, 0).

Plot t at (1, 8).

Plot h at (5, 5).

Plot s at (3, 1).

Plot w at (6, 6).



The equation  $y = 2x$  is drawn.

What is the value of  $y$  if  $x$  is 0? \_\_\_\_\_

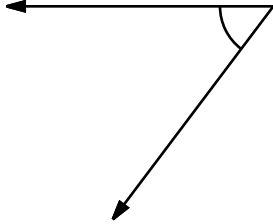
What is the value of  $y$  if  $x$  is 1? \_\_\_\_\_

What is the value of  $y$  if  $x$  is 0.5? \_\_\_\_\_

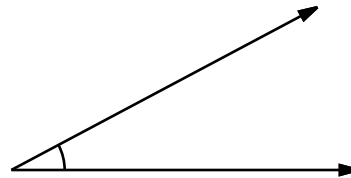
Name: \_\_\_\_\_

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  
41 and 65 degrees.



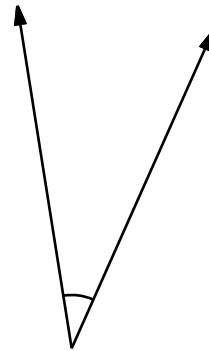
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



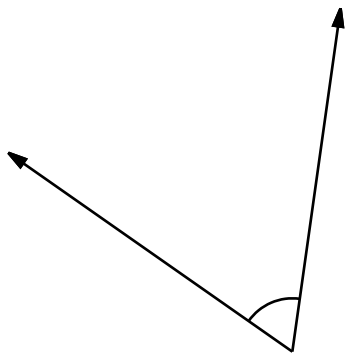
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



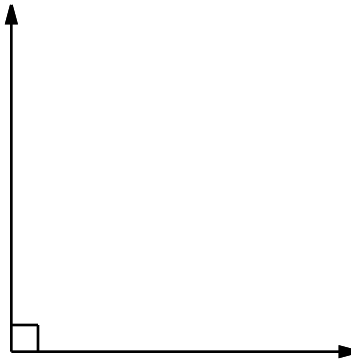
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



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



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



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

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

Use mental math to quickly solve.

$$0.478 \times 10 = \underline{\hspace{2cm}}$$

$$2.36 \times 10 = \underline{\hspace{2cm}}$$

$$4.5 \times \underline{\hspace{2cm}} = 4,500$$

$$505.2 \times \underline{\hspace{2cm}} = 50,520$$

$$0.484 \times \underline{\hspace{2cm}} = 4.84$$

$$3.55 \times \underline{\hspace{2cm}} = 35.5$$

$$62.8 \times \underline{\hspace{2cm}} = 6,280$$

$$831.5 \times \underline{\hspace{2cm}} = 83,150$$

$$9.4 \times 1,000 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 10 = 54.6$$

$$0.84 \times \underline{\hspace{2cm}} = 8.4$$

$$23.2 \times 100 = \underline{\hspace{2cm}}$$

$$4.76 \times \underline{\hspace{2cm}} = 47.6$$

$$\underline{\hspace{2cm}} \times 100 = 61,680$$

$$\begin{array}{r} 9.4 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 80.04 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.08 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6.8 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0.07 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7.76 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1.44 \\ \times \quad 6 \\ \hline \end{array}$$

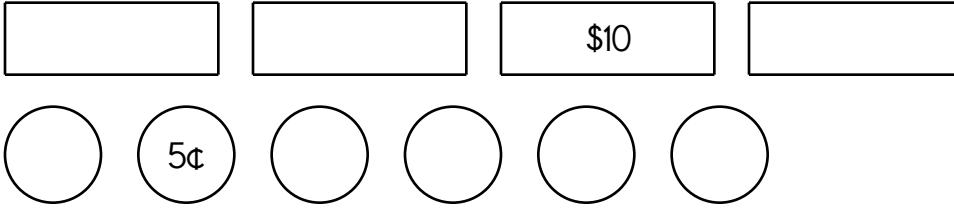
$$\begin{array}{r} 5.57 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7.53 \\ \times \quad 5 \\ \hline \end{array}$$

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

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

Amy has \$41.62. She has 4 bills and 6 coins. How?



Peter has \$41.11. He has 4 bills and 10 coins. How?

Sarah has \$67.36. She has 7 bills and 4 coins. How?

Hunter has \$100.15. He has 8 bills and 10 coins. How?

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:

9	4
---	---

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

Find 8% of 75.

Write the decimal number for:  
 three hundred ninety and  
 fifty-two ten-thousandths

Reduce  $\frac{18}{24}$  to its lowest terms.

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

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

4	3	2	1	2	1		
2	1	4	3	4	3		
4	3	2	1	2	1	2	1

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

3 2 4 1

4	2			4	1	3	2
3	1			3	2	4	1
4	2	3	1	4	1	3	2

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

3 1 2 4

$$4 \frac{8}{11} \times 4 \frac{2}{3} =$$

$$16 \times \frac{1}{5} =$$

$$\frac{1}{2} \div \frac{11}{12} =$$

$$7 \times (24 \div 3) - 54 \div 9 =$$

$$(0.6)(0.14)$$

Circle the percentage that is closest to 39 out of 72:

15%

87%

34%

15%

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

Fill in the missing numbers.

1	3		4	1	3	
	4	1		2		2
1	3	2	4		3	1

Hint - These numbers are missing:

1 3 2  
2 4 1

1			3	1	4	1
2	4	1			3	2
1		2	3			1

Hint - These numbers are missing:

1 4 3 3  
2 2 4

2	4		3	1		
	3	2	4	2		
	4	1	3	1	4	2
		2	4		3	1

Hint - These numbers are missing:

2 1 2 4 2  
1 1 3 3 1

1	4		3			1
2		2		2		2
	4	1	3	1		
2		2			3	2

Hint - These numbers are missing:

2 4 1 1 1 4  
3 1 4 4 3 3

Change  $\frac{6}{12}$  to a decimal.

$$5,125 - 3,735 =$$








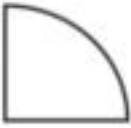



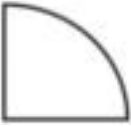
Write the decimal number for:  
thirty-one ten-thousandths

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

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

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

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



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

### Sudoku Sums of 16

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 16.

Here is an example of a sudoku sum of 16:

13	3
----	---

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

$$\begin{array}{r} 3.463 \\ +6.2 \\ \hline \end{array}$$

Change  $\frac{2}{4}$  to a decimal.

Reduce  $\frac{5}{15}$  to its lowest terms.

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

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

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

Each side of a regular pentagon is 71.4 centimeters. What is the perimeter?

$$0.1 (0.9 (0.1 + 6)) =$$

$$15.2322 \times 10^3 =$$

$$3 \times 11 = \underline{\hspace{2cm}}$$

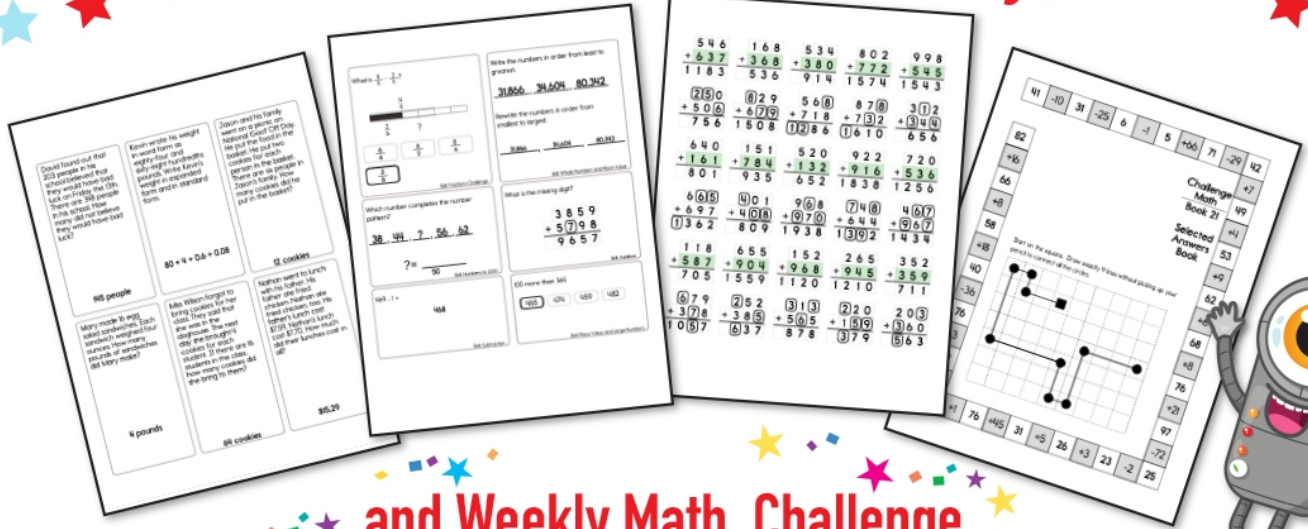
$$11 \times 10 = \underline{\hspace{2cm}}$$

Hannah rolls a die. What is the chance of her rolling a 1?

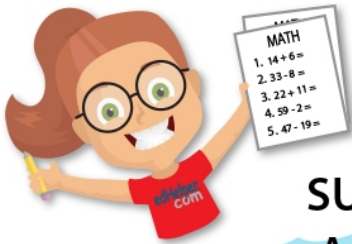
\_\_\_\_\_



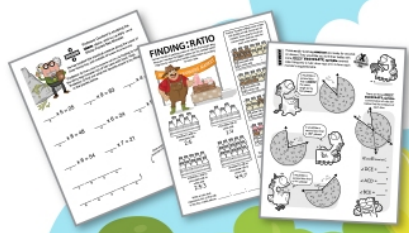
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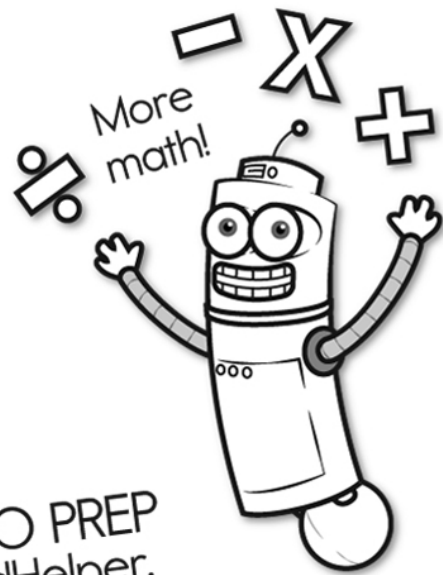
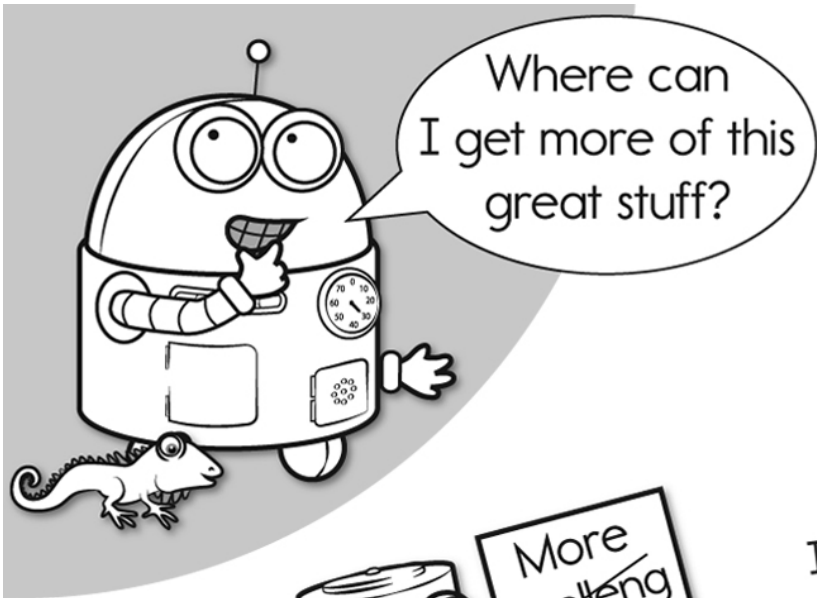
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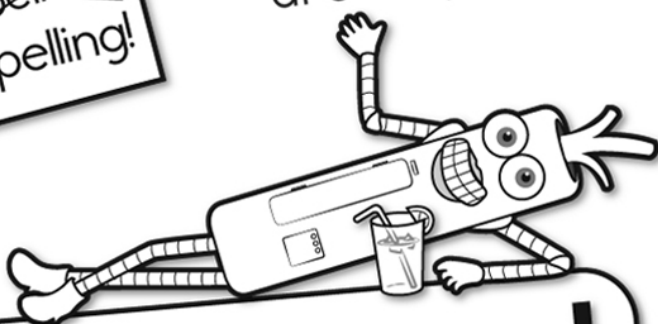


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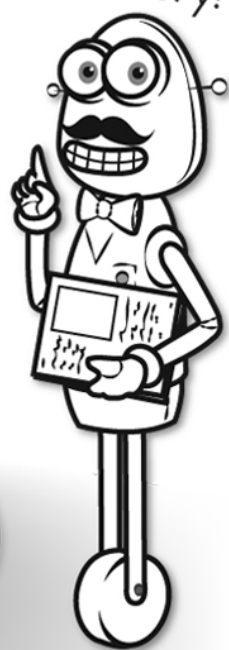


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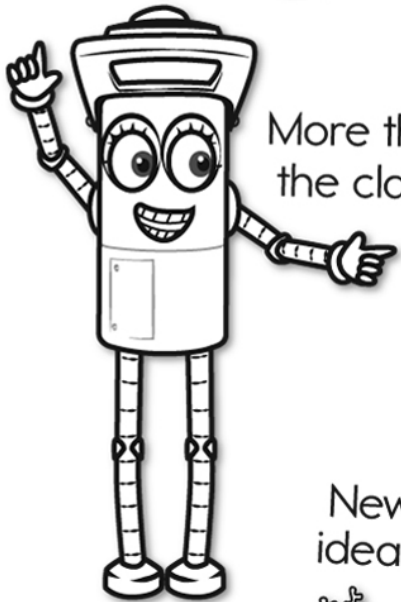
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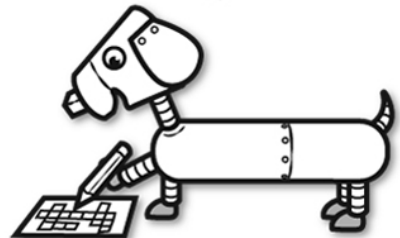


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