

Name: _____

$$\begin{array}{r} 795 \\ - 75 \\ \hline \end{array}$$

$$\begin{array}{r} 667 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 909,767 \\ - 385,023 \\ \hline \end{array}$$

$$78 \overline{)477}$$

$$548 + 475 + 369 =$$

$$\begin{array}{r} 25 \\ 335 \\ 57 \\ + 9 \\ \hline \end{array}$$

Divide and write remainder.

$$\begin{array}{r} 2,473 \\ - 1,044 \\ \hline \end{array}$$

$$\begin{array}{r} 618 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 583 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 8,977 \\ 5,873 \\ 7,554 \\ + 1,064 \\ \hline \end{array}$$

$$\begin{array}{r} 52,429 \\ 42,374 \\ + 92,269 \\ \hline \end{array}$$

$$2 \overline{)351}$$

Divide and write remainder.



Name: _____

Get a fidget spinner! Spin it.

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

How many minutes are there from 6:00 p.m. until 6:45 p.m.?

How many total legs are on 10 owls?

Is 869 closer to 800 or 900?

Rose has 20 cookies. She and her 4 friends shared them equally. How many cookies did Rose keep?

$$8 \times (9 - 3) - 3$$

What is the sum of 40 and 806?

A rectangle is 42 cm on one side and 14 cm on another side. What is the perimeter?

42 divided by 6 equals

Round 77,689 to the nearest hundred.

How many meters are there in 87 kilometers?

Round the decimal 0.435 to the nearest hundredth.

It was 4 degrees below zero in the morning. By afternoon the temperature rose 20 degrees. How warm was it?



Name: _____

Spin again.

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

$$45 \div 9 =$$

$$24 + ___ + 24 = 62$$

If you exchange 50 dimes for dollars, then how many dollars would you get?

Name the shape with eight sides and eight angles.

How many total legs are on 2 zebras and 5 ants?

double 42 =

8446, 4468, 4684, 6844,
8446, 4468, _____,
6844, 8446, 4468, 4684,
6844, 8446, 4468

22 is a multiple

of 2 and 11.

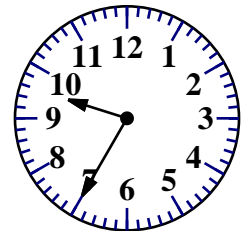
28 is a multiple

of _____ and _____.

16 is a multiple

of _____ and _____.

Draw a small clock that shows 25 minutes to 10:00.



$$11 - 35 \div 5$$

B, F, J, N, R, _____, Z

$$12 - 1 + 3$$

Name: _____

$12 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$	$387 + 215 = \underline{\hspace{3cm}}$	$\begin{array}{r} 91 \\ - 45 \\ \hline \end{array}$
---	--	---

Write 446,243 in words. _____	$12 \times 6 = \underline{\hspace{2cm}}$
----------------------------------	--

Emily rolls a die. What is the chance of her rolling a 6? _____	You have four digits to use in an addition problem: 5, 8, 7, and 4. Make up a problem where you have two 2-digit numbers. What is the largest sum you can make?	$18 \div 6 = \underline{\hspace{2cm}}$
Write the numbers 30 to 45 on a sheet of paper. How many of these numbers are divisible by 7? _____		

Can 327 be evenly divided by 7? Circle: 327 is NOT evenly divisible by 7 327 is evenly divisible by 7	Rewrite these in increasing order of length: 6 mm, 353 km, 719 m, 277 dm, 69 cm
---	--

$\begin{array}{r} 29 \\ + 24 \\ \hline \end{array}$	$\begin{array}{r} 911 \\ - 117 \\ \hline \end{array}$	Rose rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being eight?	$12 \times 10 = \underline{\hspace{2cm}}$
---	---	--	---

Name: _____

Circle the smallest number: 4,350,815 72,419 645,819,302 9,762	How many centimeters are in 20 millimeters? _____ centimeters
--	--

April likes to change numbers into a secret letter form. April changed the number 46 to FF. April changed the number 443 to FFF. April changed the number 621,769 to FFFFFFFF. April changed the number 1,262 to FFFF. How do you think she would change the number 29,621? _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">$2,811 + 5,368 =$ _____</td> </tr> <tr> <td style="padding: 5px;">What number is halfway between 29 and 40?</td> </tr> </table>	$2,811 + 5,368 =$ _____	What number is halfway between 29 and 40?
$2,811 + 5,368 =$ _____			
What number is halfway between 29 and 40?			

Pick a month. Can you make up a calendar for your month with four Thursdays? Show your calendar below:	$66 \div 6 =$	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right; padding-right: 10px;">2 4 7</td> </tr> <tr> <td style="text-align: right; padding-right: 10px;">+ 4 7 8</td> </tr> <tr> <td style="text-align: right; border-top: 1px solid black; padding-top: 5px;">_____</td> </tr> </table>	2 4 7	+ 4 7 8	_____
2 4 7					
+ 4 7 8					

$62,385 - 36,547 =$ _____	What number is halfway between 11 and 19?
---------------------------	---

1 cm = 10 mm 7 cm = _____ mm	$36 \div 12 =$	$(9 + 7) + 2 =$
---------------------------------	----------------	-----------------

$8 \times 5 =$ _____	$9,381 + 9,712 =$ _____
----------------------	-------------------------

Name: _____

$4 \times 5 =$	$24 \div 3 =$ _____	Six-ninths of the children in Young's class want to go outside. If Young agrees with the majority, will the class stay inside or go outside?
	$22 \div 2 =$ _____	
	$30 \div 6 =$	

$12 \times 5 =$ _____	Can 744 be evenly divided by 12? Circle: 744 is evenly divisible by 12 744 is NOT evenly divisible by 12	$49 \div 7 =$ _____
$7 \times 10 =$ _____		$12 \div 2 =$ _____

$88 \div 11 =$ _____	$5 \times 3 =$	What time is 15 hours after 4:00 p.m.? _____
----------------------	----------------	---

29% of 100 is 29. 29% of 200 is 58. 29% of 500 is 145. What is 29% of 800?	$8,916 + 3,952 =$ _____
---	-------------------------

Name: _____

Julia, William, Michael, and Jordan are competing in the Olympics. They are each from a different country (Turkey, Brazil, Finland, and Bermuda), and they are also each competing in a different event (alpine skiing, curling, ski jumping, and freestyle skiing).

Figure out the country each person is from and the event he or she is competing in. (Assume that each hint refers to one of the four people. For example, if Julia has lunch with someone she met from another country, then assume that this person is among one of the four people).

1. Julia had lunch with someone she met. The person she met is competing in the alpine skiing event.
2. The person competing in the alpine skiing event is from Europe. This is his third time to represent his country at the games.
3. The person from Brazil and her friend invited the person from Bermuda to dinner. The person from Bermuda thought it was a great idea, and he gladly accepted.
4. William had lunch with someone he met. The person he met is competing in the ski jumping event.
5. The person competing in the ski jumping event is from South America. This is her first time to represent her country at the games.
6. The person from Finland and his friend invited the person from Turkey to dinner. The person from Turkey thought it was a great idea, and she gladly accepted.
7. Michael had lunch with someone he met. The person he met is competing in the alpine skiing event.
8. Though Julia has never been to Brazil, she would like to visit.
9. The person competing in the freestyle skiing event is from North America. This is his second time to represent his country at the games.

Name: _____

Jacob has one hundred five square stickers of different colors that each measure three inches on a side. He wants to use them to cover the fronts of some notebooks he has. If his notebooks measure nine inches by twelve inches, how many whole notebook fronts can he completely cover with the stickers?

Ranger Roger has counted about 40% of the scrub trees in Vista Park today. He has this chore of counting the 1,200 scrub trees three times a year. If this is his second count this year, what fraction of the total number of scrub trees has he counted so far?

Rewrite this mixed number as an improper fraction.

$$7 \frac{7}{8}$$

Amy lives at the point $(-7, -3)$. She wants to go to the closest mall. There are two malls on the map. Mall AA is at $(-15, -11)$, and Mall BB is at $(-9, -12)$. On the map she can only travel vertically or horizontally, one unit at a time. She cannot go diagonally. So she could go from $(1,3)$ to $(1,4)$ or $(1,3)$ to $(2,3)$, but not from $(1,3)$ to $(2,4)$. Which mall is closer to her?

Name: _____

Write in vertical form. Then multiply.

$$58\% \text{ of } 50 = 0.58 \times 50 =$$

$$32\% \text{ of } 50 = 0.32 \times 50 =$$

$$5\% \text{ of } 260 = 0.05 \times 260 =$$

Write in vertical form. Then multiply.

$$54\% \text{ of } 50 =$$

$$28\% \text{ of } 50 =$$

$$6\% \text{ of } 250 =$$

Express each percent as a decimal.

2%

51%

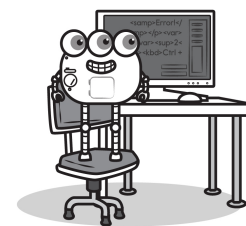
14%

573%

430%

Holly told Amy that 65% of the girls want to play softball, and the rest want to play lacrosse. If there are 40 girls, then how many want to play softball?

How many want to play lacrosse?



Name: _____

Robot wrote this program to solve a math problem.

```
# Variables
```

```
daily_distance_walked = 2.4 # in miles
```

```
days_in_a_week = 7
```

```
# Calculation
```

```
total_distance_walked = daily_distance_walked * days_in_a_week * 2
```

```
# Multiply by 2 for two weeks
```

```
# Output
```

```
print("Jessica walked", total_distance_walked, "miles with her father in  
two weeks.")
```

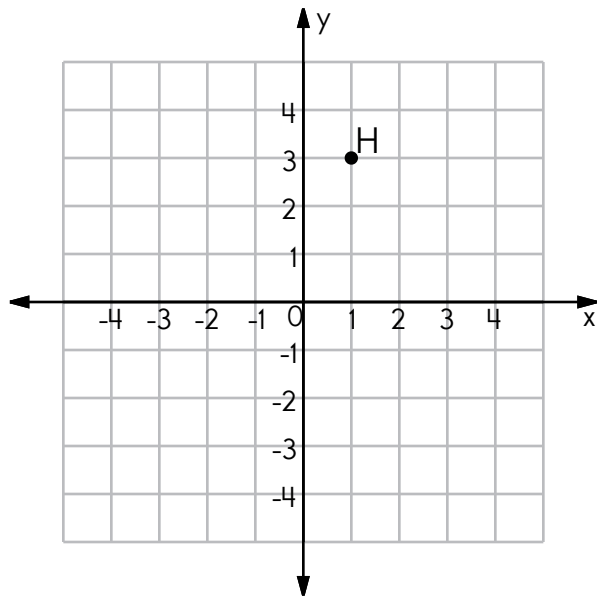
What will the program print out? Fill in the blanks.

Jessica walked ____ ____ . ____ miles with her father in two weeks.

Wait! Robot forgot to write down the math problem.

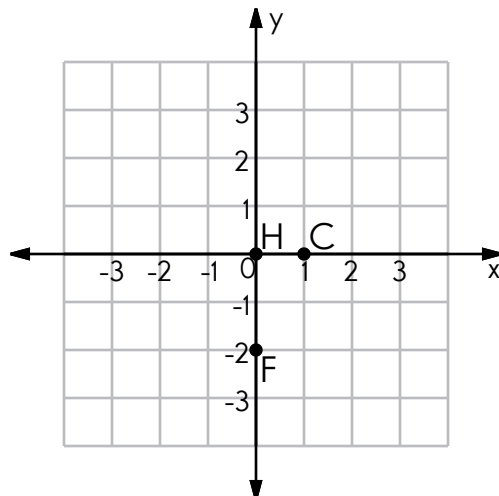
Can you write your own word problem to explain Robot's computer code?

Name: _____



Point is in Quadrant .

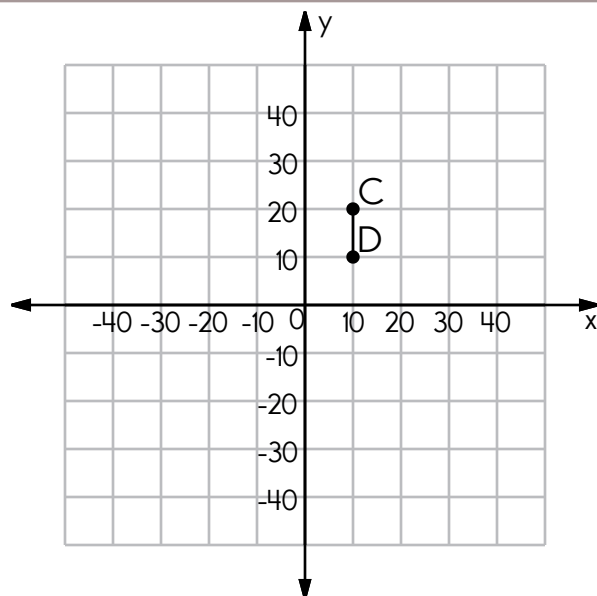
The coordinates of H are .



The point lies on the y-axis
and its coordinates are .

Two points are reflections of each other about the y-axis. One of the points is (6, -10). What is the other point?

Two points are reflections of each other about the x-axis. One of the points is (-5, -5). What is the other point?



What is the length of \overline{DC} ?
 units

Draw a line between points D(-10, 30) and G(40, 30). What is the length?

Name: _____

I am the smallest whole number that rounds to 220 when rounding to the nearest ten.

Jessica finished her science project in two and a half hours. Wendy took 11,340 seconds to finish hers. Who took longer and by how much longer did she take?

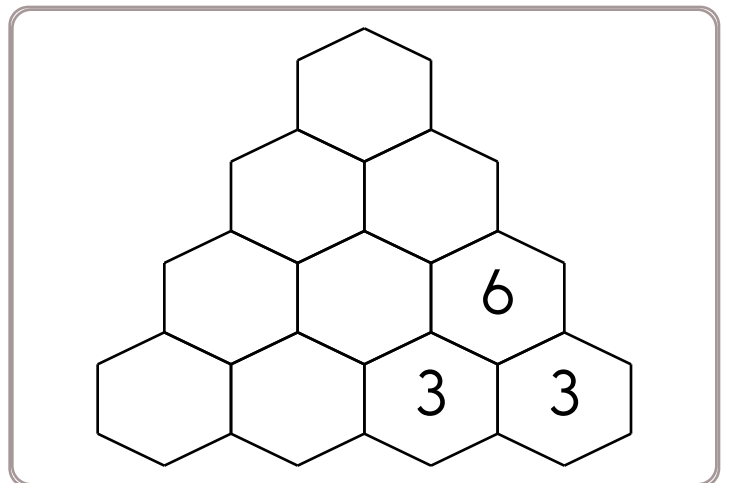
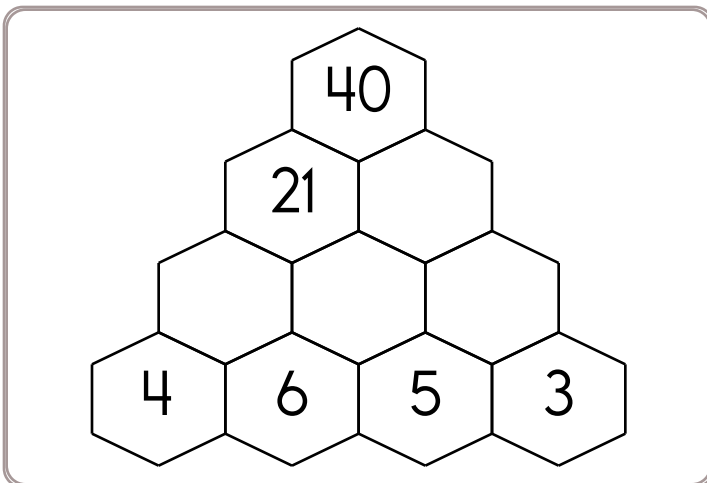
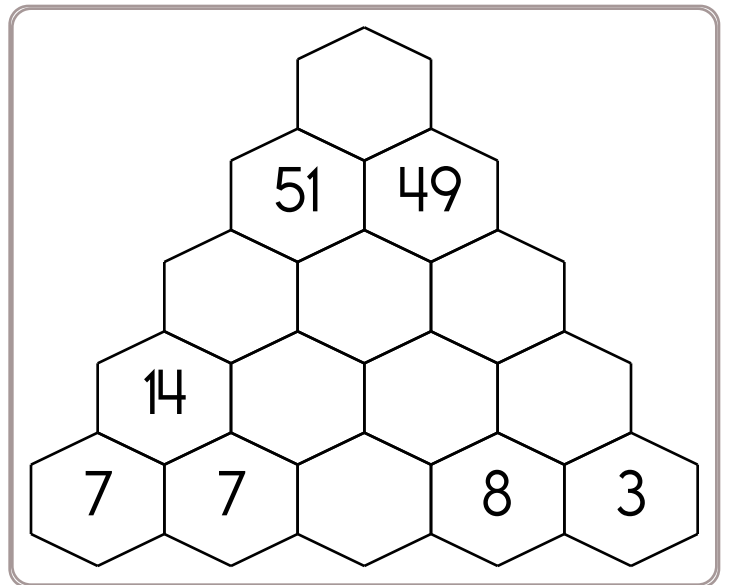
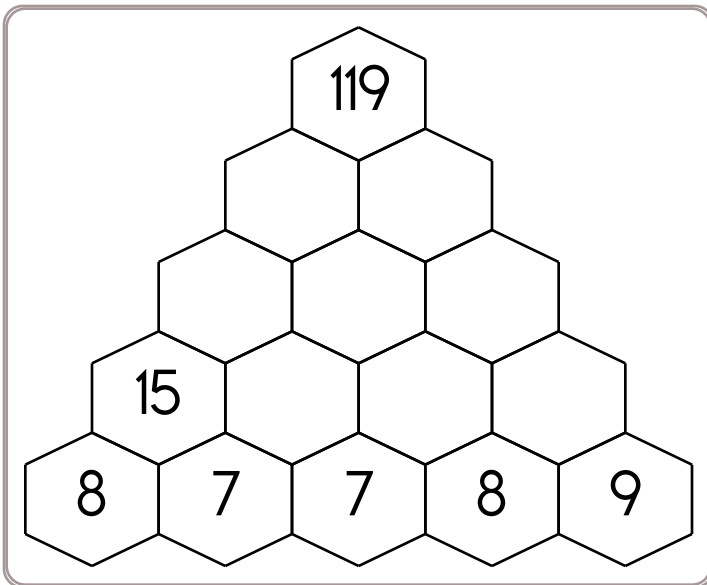
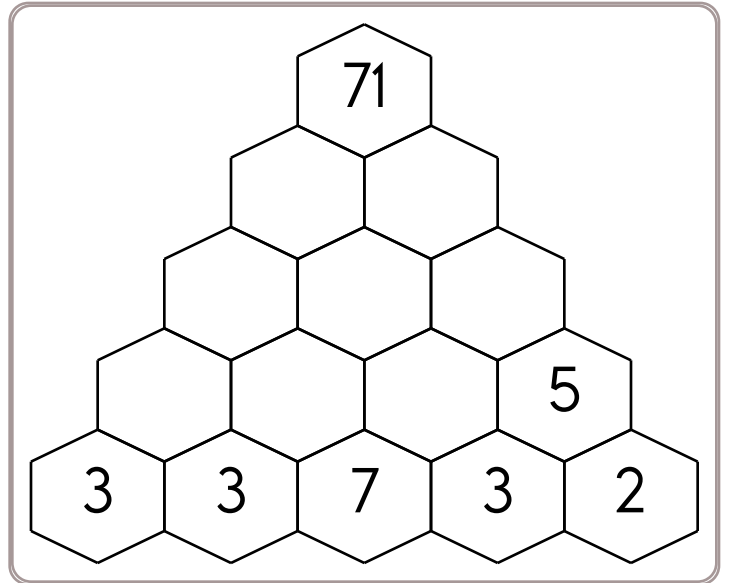
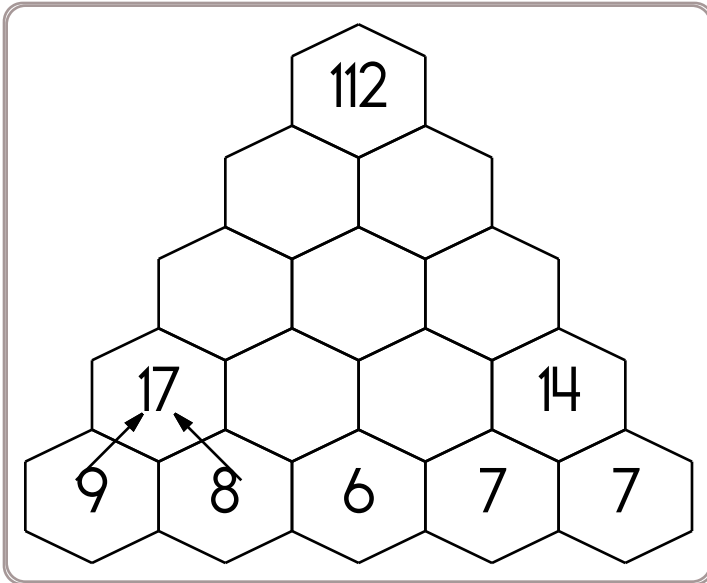
$$x - 6 = 20$$

$$6 + m = 18$$

$$10 + y = 41$$

Name: _____

Fill in the blanks by adding the two numbers below each hexagon.



Name: _____

Emma babysat Rosa and was paid \$96 for 6 hours of work. How much was she paid per hour?

She plans to babysit Rosa next week and will be paid at the same rate. If she works 7 hours next week, how much will she be paid?

One pitching machine can throw 7 pitches in 105 seconds.

One pitching machine can throw _____ pitches in 120 seconds.

Two pitching machines can throw _____ pitches in 105 seconds.

Two pitching machines can throw _____ pitches in 120 seconds.

Jenna works at Custom Socks. She purchased a new sock machine that can make 120 pairs of socks in only 20 minutes. How many socks can the machine make in 1 minute?

Sara wants to apply grass seed to a new lawn that is 9,295 square feet. She needs to know how many bags of grass seed to purchase. Each 7-pound bag of grass seed covers up to 2,141 square feet. How many bags should she get? Keep in mind the store does not sell partial bags.

Name: _____

Here is a chart on turns to help you answer the questions.

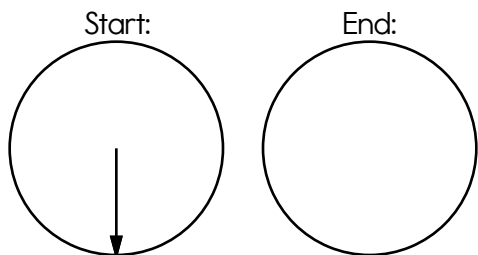
A $\frac{1}{4}$ turn is 90° .

A $\frac{1}{2}$ turn is 180° .

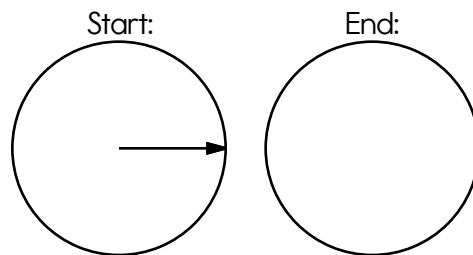
A $\frac{3}{4}$ turn is 270° .

A full turn is 360° .

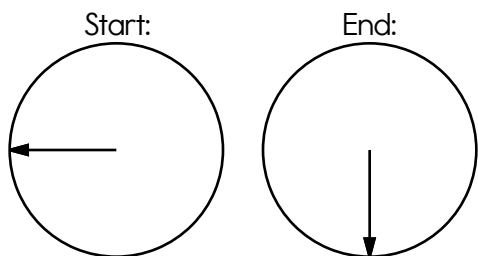
From the start position the pointer turns $\frac{3}{4}$ clockwise. Draw the arrow for the end position.



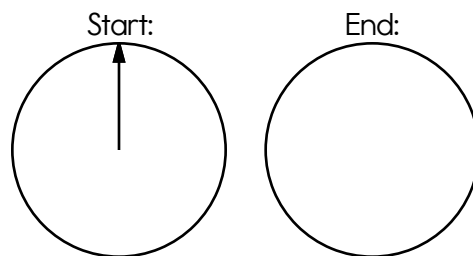
From the start position the pointer turns $\frac{3}{4}$ clockwise. Draw the arrow for the end position.



The start and end positions are shown. Explain the turn that was made.



From the start position the pointer turns 270° clockwise. Draw the arrow for the end position.



An angle that is 122 degrees is

between a -turn and a -turn.

Three right angles equals a -turn.

Hailey is playing a game. She stands in the middle of a circle.

At the start of the game she faces north.

Then she makes a $\frac{1}{4}$ -turn counterclockwise.

In which direction is she now facing?

Name: _____

List all the numbers from 4 to 59 which are:

a. multiples of 12

b. multiples of 12 but not of 6

Anne is babysitting a few kids, and they are in the backyard collecting rocks. She asks how many rocks they collected so far and to round to the nearest ten. She likes having fun and teaching math!

a. Amy said she has 30 rocks. How many rocks could she really have before rounding?

b. April said she has 170 rocks. How many rocks could she really have before rounding?

Emily is drawing a game board. She drew boxes starting from 8 all the way through 200. The boxes all started out being white. She colored the boxes 14, 21, 28, 35, and 42 green, and continued this pattern until she was done.

What are the next 5 boxes that she will color green?

When she is done coloring, what color will the box number 110 be?

5	10	15	20
25	30	35	40
45	50	55	60

A pattern is represented in the boxes. The number 10 is in row 1, column 2.

a. What number is in row 3, column 3?

b. If the pattern continues, what number would be in row 4, column 1?

c. If the pattern continues, what number would be in row 6, column 4?

Name: _____

$$4 \overline{) 32}$$

$$18 \overline{) 899}$$

$$72 \overline{) 433}$$

$$10 \overline{) 489}$$

$$66 \overline{) 396}$$

$$48 \overline{) 1296}$$

$$20 \overline{) 730}$$

$$72 \overline{) 648}$$

Sketch a right angle named \angle

An angle measures 73° .
What would you call this angle?

Sketch an obtuse angle named $\angle CDE$.

Rewrite $\frac{31}{100}$ as a decimal.

$$36 \div 3 - 7$$

$$618 \div 12$$

What is the mode of the following number set?

51, 57, 52, 55, 54, 53, 63, 49, 48, 50, 60, 55, 61, 62

The angles in a quadrilateral measure 85° , 109° , 86° , and c° . What is the value of c ?

Rewrite as an algebraic expression or equation.

Add p to the product of 11 and 12

Name: _____

Nathan wanted a special costume for the party. He found what he wanted on sale at the costume shop in Martin City. The original price was \$47.84. He received a 30% discount. What was the final cost of the costume, including 6% sales tax?

The Crown Heights High School library has 24,753 books. If three-fourths of the books are non-fiction, how many of the books are fiction?

Rose and Hannah were looking at two exponential expressions that had the same exponent but different bases. They were not sure how to tell which one had the greatest value. Can you give them some advice?

Name: _____

Write the final part of each math analogy.

PJBPJBPJBPJ_____ : B :: HKGHKGHKGHK_____ :

Explain why you think your answer is correct.

two dimes and two pennies : \$0.22 :: eight dimes and three pennies :

Explain why you think your answer is correct.

236 : 336 :: 882 :

Explain why you think your answer is correct.

four : fourth :: five :

Explain why you think your answer is correct.

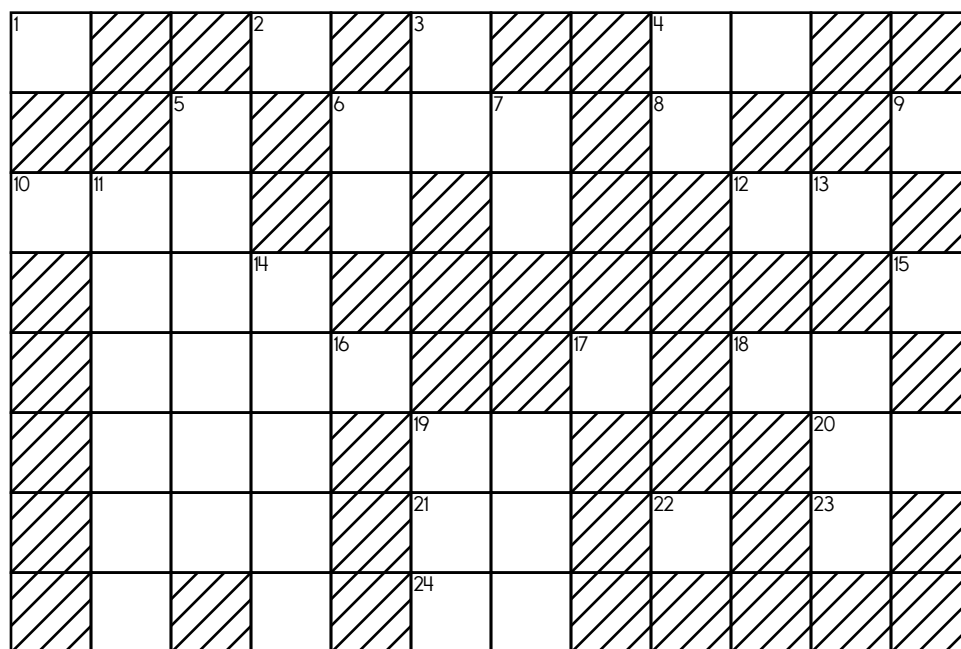
Name: _____

ACROSS

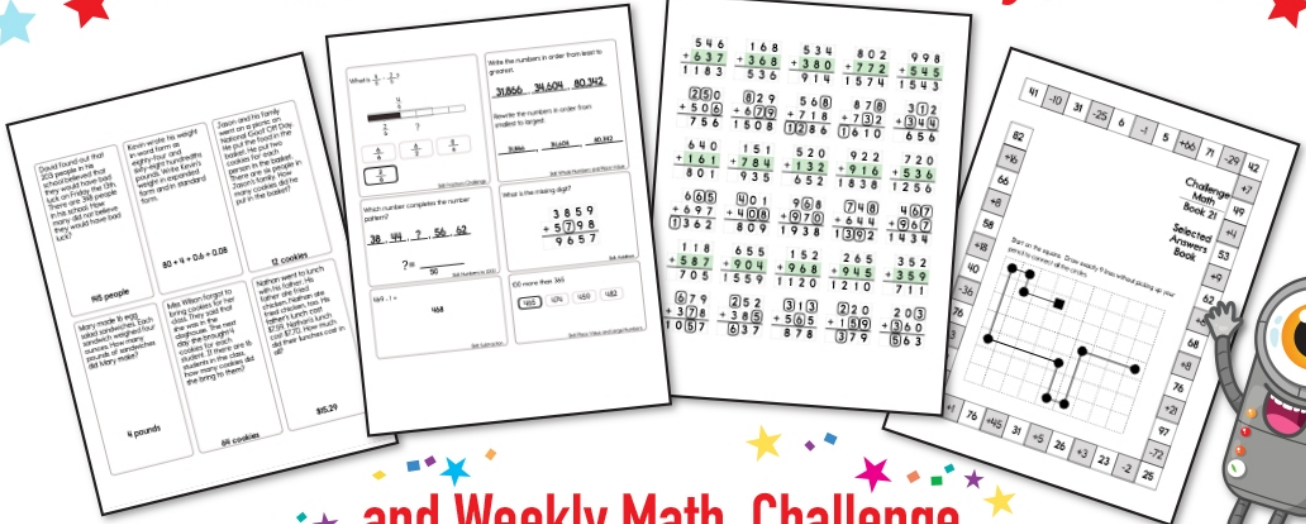
1. One-ninth of 4-Across
2. One-fifth of 18-Across
4. **18**
5. How many factors does 6 have?
8. One-third of 4-Down
9. How many factors does 8 have?
12. Its digits total 12
13. Two less than 19-Across
15. How many factors does 52 have?
16. One-third of 7-Down
17. How many factors does 10 have?
18. The factors of 40 are 1, 2, 4, 5, 8, __, 20, 40.
19. 9-Across plus 10-Down
20. The factors of 42 are 1, 2, 3, 6, 7, 14, __, 42.
21. First prime number after 6-Down
22. How many factors does 32 have?
24. Sum of digits of 11-Down

DOWN

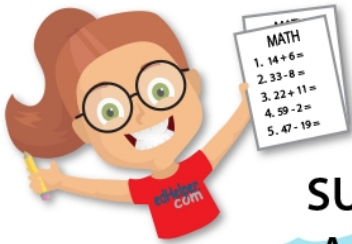
1. What is the lowest common multiple of 23-Down and 1-Across?
3. The factors of 60 are 1, 2, 3, 4, 5, 6, 10, __, 15, 20, 30, 60.
4. 15
5. four hundred seventy-eight thousand, one hundred six
6. First composite number after 4-Down
7. The factors of 24 are 1, 2, 3, 4, 6, 8, __, 24.
10. Three more than 5-Across
11. 7-Down plus 5-Down
12. What is the greatest common factor of 4-Down and 13-Across?
14. the ones in 7-Down + the ten thousands in 11-Down + the thousands in 5-Down
22. How many factors does 18 have?
23. What is the greatest common factor of 20 and 42?



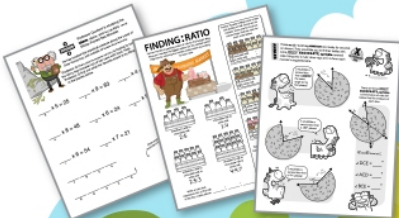
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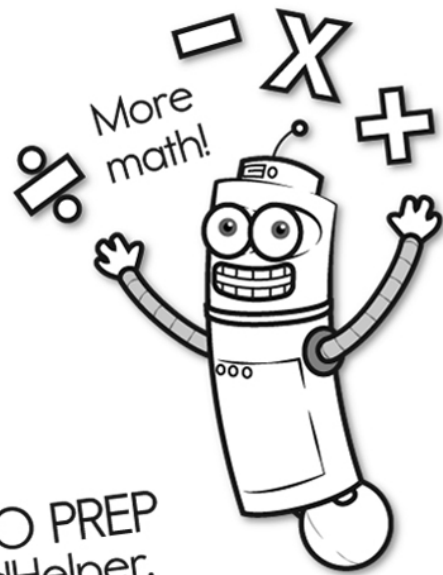
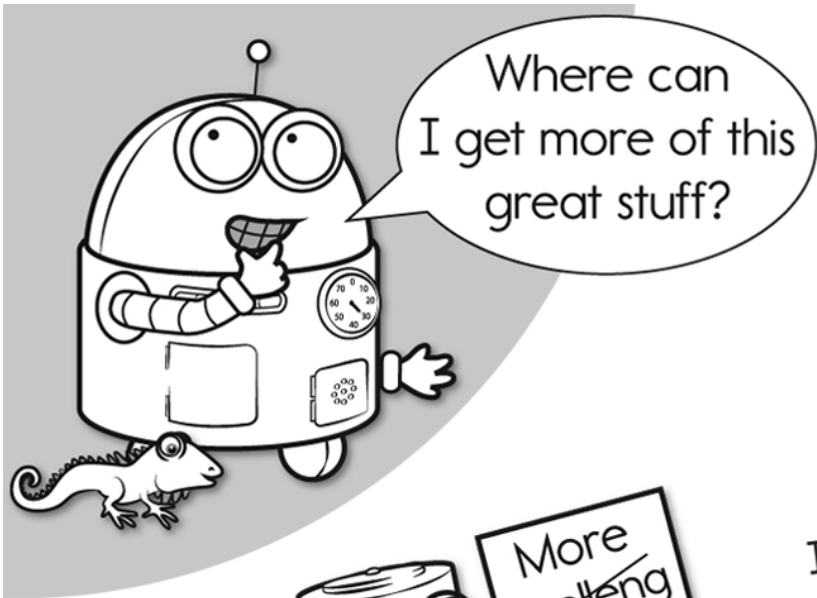
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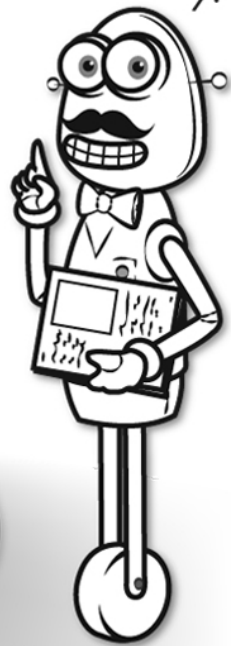
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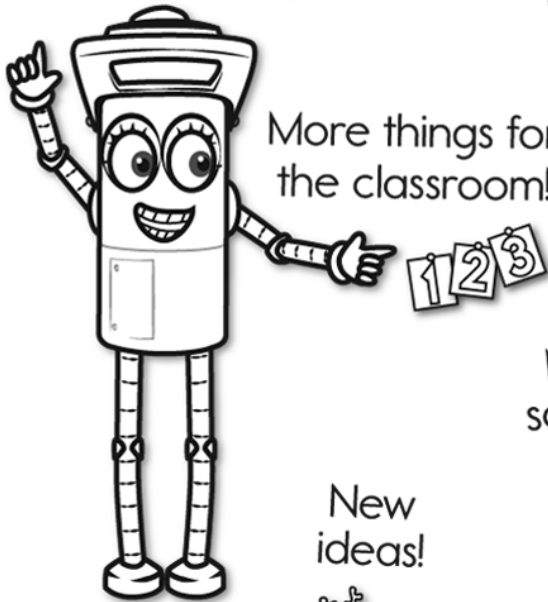


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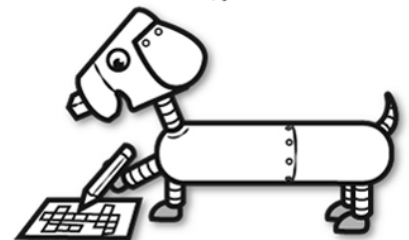
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