



Name: _____

Get a fidget spinner! Spin it.

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

How many centimeters in 580.5 meters?

Yummy Donuts gave three dozen chocolate donuts and six dozen jelly donuts to the school. How many donuts did they give?

Round 82,320 to the nearest hundred.

3, 5, $3\frac{1}{5}$, $5\frac{1}{5}$, $3\frac{2}{5}$,
 $5\frac{2}{5}$, $3\frac{3}{5}$, $5\frac{3}{5}$,
 $3\frac{4}{5}$, $5\frac{4}{5}$, 4, 6,
_____, $6\frac{1}{5}$

How much money is 1 quarter, 7 dimes, 1 nickel, and 1 penny?

O, 8, O, 8, O, 8, O, 8,
O, 8, _____, 8, O

If $a = 4$ and $b = 6$,
then
 $3a + b =$

$663 \div 10$

Simplify.

$$\frac{20}{35} =$$

152, 160, 168, _____, 184,
192

What is the greatest common factor of the numbers 104 and 65?

$$\frac{15}{16} \div \frac{2}{8} =$$



Name: _____

Spin again.

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

35, 47, 59, 71, 83, _____,
107

Know how many inches in
a foot? Okay, smarty pants,
how many inches in 5 feet?

It was 5 degrees below
zero in the morning. By
afternoon the temperature
rose 23 degrees. How
warm was it?

It was 91 degrees outside.
What would the
temperature be if it got 26
degrees colder?

$$3 \times 7 - 1 + 11$$

$$43 + n = 56$$

What is the value of n?

What is the remainder of
152 divided by 18?

$\$89 - p = \20
What is the value of p?

Simplify.

$$\frac{65}{104} =$$

$$|-6| - d = -1$$

d =

If $w = 5$ and $g = -18$ then
what is the value of a?
 $7w + 11g - 4g = a$

$$9 + (63 \div 9) - 42 \div 7 =$$

$$23 - 16 + t = 16$$





What is the value of t?

Rewrite $\frac{4}{5}$ as a decimal.

$$2 + 32 \div 4 - 30 \div 6 =$$

Name: _____

There were nine weddings in the garden last month. The weddings lasted 256 minutes in all. Write an equation and solve it to find the average length of each wedding. Round off the answer to the nearest whole minute.

Alex prepares an ice bath to cool a beaker of reagents. It is rather warm in the room that day (26 and the beaker begins to cool at a rate of -5 per minute. At that rate how long will it take the beaker to get to 1 

Zeeka has invented a new space vehicle to go from his home planet of Zomba to his friend's planet of Oomba. It is a fun ride! It can fly at a speed of 600 mph. How far will it go in 20 minutes? Round your answer to the nearest mile.

What is the value of b?

$$6b + 19 - 2b = -8$$

In what quadrant would you find the point (6, 3)?

$$0.4 (0.8 (0.4 + 7)) =$$

Name: _____

Mr. Hernandez has \$439.45. He bought five apple trees at \$32.90 each. How much money does Mr. Hernandez have left?

Sara had some safety pins. Her mother asked her how many pins she had. Sara liked algebra problems, so she told her mother that the number of pins she had was greater than 15 but less than 17. How many safety pins does Sara have?

At the Barbeque Day cookout at the Yellow Hill Community Center, $\frac{1}{3}$ of the people had chicken, $\frac{1}{3}$ had pork, and the rest had beef. What percent of the people had beef?

Wendy is taking part in a memoir-writing project at Martin University. She plans to write 16 pages each day. How many pages will she write during March and April?

Nathan left school with \$15. He had \$3.25 left after buying a book about inventors for \$6.15, 2 snacks for \$0.75 each, a drink for \$1.90, and paying for a bus ride home. How much did he pay for the bus ride?

Emma and her mother bought a rug for her new room. The rug is yellow and blue with a picture of the Queen of Hearts playing croquet on it. The perimeter of the rug is 443.38 cm. The length is 132.82 cm. What is the width of the rug?

Name: _____

The farmers built a water wheel in the river to send water to their fields. The diameter of the water wheel is five meters. The wheel turns completely around in six minutes. A waterbug hitched a ride on the wheel and stayed in the same place for 24 minutes. How far did the bug travel? Round your answer to the nearest hundredth of a meter.

Alex cut a circle with a diameter of 17.4 inches out of a piece of poster board. On the poster board he wrote National Handwriting Day around the edge and in the center he drew a picture of a boy sitting at a desk writing a letter. What was the area of the poster board circle he used?

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?

Anne took a survey of students at her middle school. She asked the students to name their favorite nuts. If twenty-seven percent of the 480 students chose peanuts, how many students chose other nuts?

Justin bought a book of memoirs written by soldiers that served during World War I. The book usually cost \$22.95. Justin had a coupon for a 5% discount. With the discount, how much did Justin pay for the book, including 6% sales tax?

$$x \cdot 1 \cdot 3 \cdot 9 \cdot 4 \cdot 1 \cdot + \cdot 4 \cdot = \cdot 5 \cdot 0 \cdot 1 \cdot 3 \cdot + \cdot 7 \cdot 1 \cdot 1$$
$$= \cdot 8$$
[illegible]

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:

6	10
---	----

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

$$\begin{array}{r} 795 \\ - 587 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ + 45 \\ \hline \end{array}$$

$5 \times 8 =$

Anna rolls a die. What is the chance of her rolling a 2?

$2 \times 7 =$

$30 \div 5 =$

$9,632 - 7,378 =$

$11 \times 6 =$

Name: _____

How many kilograms are in 4,000 grams? _____ kilograms	$40 \div 5 =$	$\begin{array}{r} 269 \\ + 207 \\ \hline \end{array}$
---	---------------	---

$2,293 + 9,957 =$ _____	$20 \div 2 =$ _____	
25 kg = _____ g	<p>Three girls ran a race. Anne ran past Erin in the race and Erin never caught up. Emily was not as fast as Anne. Who won the race? Do you have enough information to know?</p>	1 cm = 10 mm 11 cm = _____ mm
$6 \times 10 =$ _____		$3 \times 8 =$

What number is halfway between 10 and 19?	$27 \div 3 =$ _____	What time is 17 hours after 2:00 p.m.? _____

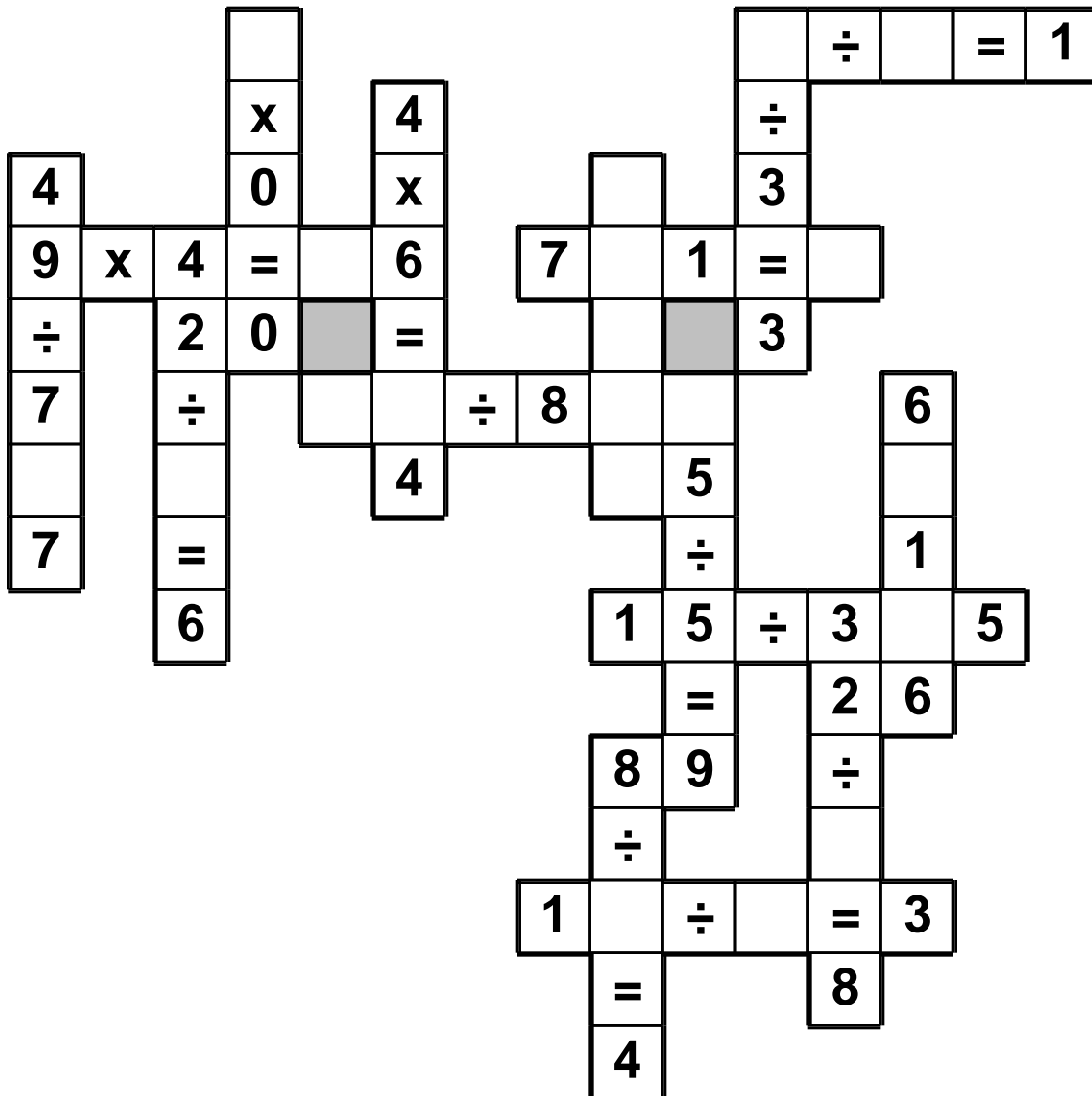
$70 \div 7 =$ _____	<p>What should replace the S in this equation? $S - 12 + 24 = 34$</p>	$50 \div 5 =$ _____
		$72 \div 9 =$ _____

$121 \div 11 =$ _____	$9,429 + 4,918 =$ _____
-----------------------	-------------------------

Name: _____

0 • 9 • 9 • 0 • 3 • x • 7 • 6 • 3 • 2 • = • 4 • = • 7 • 0 • ÷
= • 4 • 2 • 4

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



$10 \times 3 =$ _____

$(6 + 5) + 8 =$ _____

$952 - 312 =$ _____

$9 \times 12 =$ _____

Write an equation to represent this:

The difference between ten and three is seven.

Name: _____

Two games require players to collect gold coins. Here is how many coins are needed for each level of the game Umba:

Level 1: MMMM

Level 2: MMMMMMMMMM

Level 3: MMMMMMMMMMMMMM

Coins needed for each level of the game Yinka:

Level 1: MMM

Level 2: MMMMM

Level 3: MMMMMMMM

Did you notice each game follows a pattern? Which game would require the most coins to complete level 9?

Each M is equal to 3 gold coins.

Which amount of time is shorter?

5 hours or 320 minutes?

9 hours or 620 minutes?

8 minutes or 392 seconds?

1 hour = _____ minutes

1 minute = _____ seconds

The grocery store sells 4 cases of Hannah's Water for \$16. They also offer 5 cases of Cool Water for \$27.50. If you like both brands equally, then which brand of water is the better deal?

Robert cannot decide which of the following two clubs to join, so he wants to pick the club with the most boys. Which club should he join?

The Earth Club has a total of 47 members. There are 5 more girls than boys.

The Gamer's Club has a total of 38 members. There are 6 more boys than girls.

Name: _____

A printer can print 24 pages in 4 minutes.
How many pages can the printer print in one minute?

How many pages can the printer print in one hour?

Gavin wants to hang out with friends at the bowling alley. The closest bowling alley he found offers lane rentals for \$6.50 per hour from 10 a.m. until 4 p.m. After 4 p.m., prices jump to \$7 per hour. If Gavin rents a lane for 3 hours starting at 3 p.m., how much will he have to pay?

Alex earned \$312 this week. He worked 4 days from 9 a.m. to 5 p.m. each day. How much did he earn each day?

At City Laundromat they have 5 extra large-sized washers that can do 10 loads of laundry in 48 minutes.

How many loads of laundry can one machine do in 48 minutes?

Hint: The amount of time is the same. The only thing that changes is instead of five machines there is only one. You will need to divide.

Name: _____

$$\begin{array}{r} 0.13 \\ + 0.11 \\ \hline \end{array}$$

$$\begin{array}{r} 0.99 \\ + 0.86 \\ \hline \end{array}$$

$$\begin{array}{r} 0.68 \\ + 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.38 \\ - 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 0.27 \\ - 0.08 \\ \hline \end{array}$$

$$\begin{array}{r} 0.74 \\ - 0.53 \\ \hline \end{array}$$

$$\begin{array}{r} 29.31 \\ - 23.6 \\ \hline \end{array}$$

$$\begin{array}{r} 22.5 \\ - 14.43 \\ \hline \end{array}$$

$$\begin{array}{r} 3.26 \\ + 10.43 \\ \hline \end{array}$$

$$\begin{array}{r} 15.77 \\ + 2.99 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 13.59 \\ \hline \end{array}$$

$$\begin{array}{r} 28.53 \\ + 23.42 \\ \hline \end{array}$$

$$\begin{array}{r} 4.65 \\ - 3.98 \\ \hline \end{array}$$

$$\begin{array}{r} 2.26 \\ - 2.18 \\ \hline \end{array}$$

$$\begin{array}{r} 18.47 \\ + 23.57 \\ \hline \end{array}$$

$$\begin{array}{r} 25.93 \\ + 29.11 \\ \hline \end{array}$$

$$\begin{array}{r} 5.75 \\ + 5.52 \\ \hline \end{array}$$

$$\begin{array}{r} 3.66 \\ - 2.6 \\ \hline \end{array}$$

$$1.41 + 1.4 = \underline{\hspace{2cm}}$$

$$4.39 + 10.79 = \underline{\hspace{2cm}}$$

$$14.86 - 8.18 = \underline{\hspace{2cm}}$$

$$13.03 - 3.38 = \underline{\hspace{2cm}}$$

$$29.47 + 28.05 = \underline{\hspace{2cm}}$$

$$15.51 - 7.6 = \underline{\hspace{2cm}}$$

$$6.4 - 3.36 = \underline{\hspace{2cm}}$$

$$8.41 - 8.26 = \underline{\hspace{2cm}}$$

$$11.65 - 7.2 = \underline{\hspace{2cm}}$$

$$18.6 + 27.89 = \underline{\hspace{2cm}}$$

$$\frac{7}{11} = \frac{?}{55}$$

Change to a percent.

$$\frac{1}{100}$$

Change to a percent.
1.86

Name: _____

Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.

Every row must contain the numbers 1, 2, 3, 4, 5, and 6.

Every column must contain the numbers 1, 2, 3, 4, 5, and 6.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

3	13+			6+	
18+ 2	1-		3- 6		3- 4
		1-		6	
		3+		3-	9+
	2-	4	5		
6		2-		2-	

Fill in the blanks. These equations are from the puzzle above.

$$4 - \underline{\quad} = 3$$

$$\underline{\quad} - 2 = 1$$

$$6 - \underline{\quad} = 3$$

$$\underline{\quad} - 1 = 2$$

$$\underline{\quad} + 1 = 3$$

$$5 - \underline{\quad} = 2$$

$$\underline{\quad} - 2 = 3$$

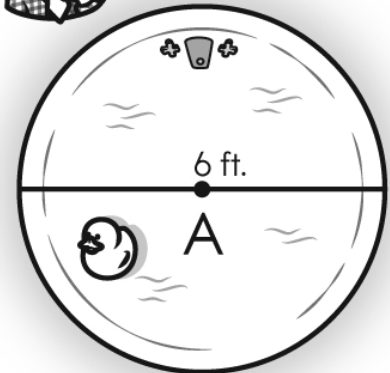
$$5 - \underline{\quad} = 1$$

Name: _____



$$\pi = 3.14$$

$$C = 2\pi r$$



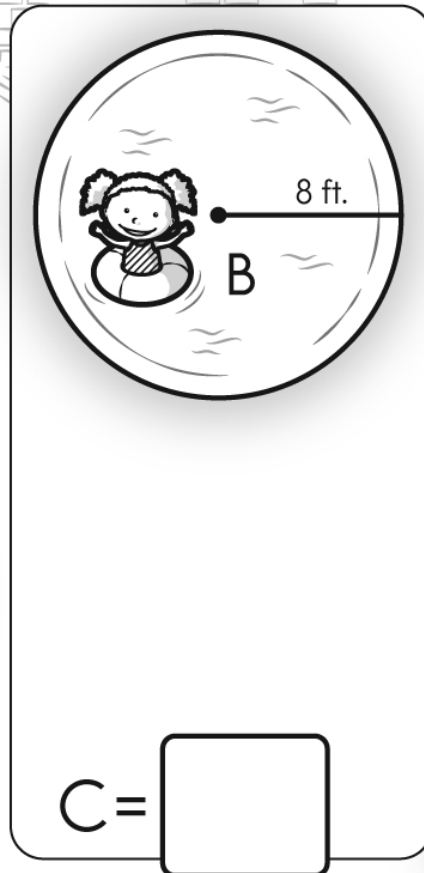
$$C = \boxed{}$$

Which pool has the largest circumference?

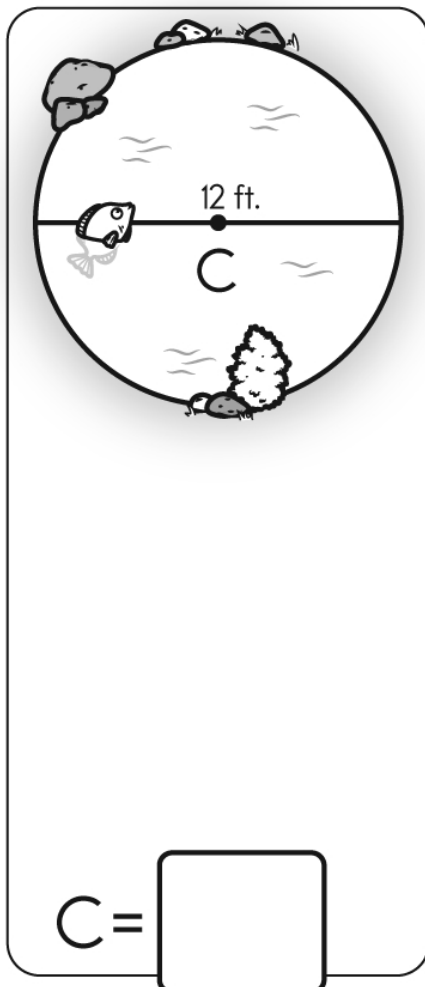


$$C = \boxed{}$$

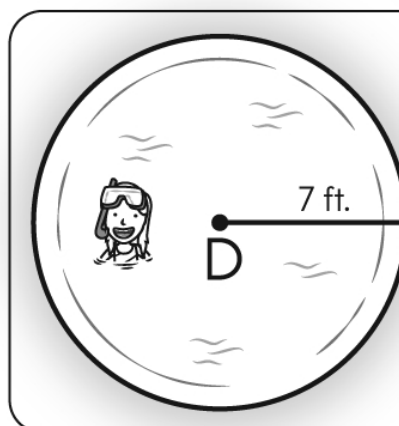
Find the
Circumference
of Each Circle



$$C = \boxed{}$$



$$C = \boxed{}$$



$$C = \boxed{}$$

Name: _____

Mental Math

— #1 —

Start with the number 186.

186

Add the number of cups in 2 quarts.

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

Increase that number by 18.

7 5 8 4 2 2 1 2 6 6

Subtract 16.

1 6 2 7 1 9 6 7 8 2

Divide that number in half.

9 7 9 8 6 4 2 8 8 3

Increase that number by 4.

8 3 6 1 0 2 2 3 7 1



Mental Math

— #2 —

Start with the product of 12 and 3.

3 9 7 0 4 2 3 6 6 9 (Circle your answer to double check you are correct.)

Find one-fourth.

7 5 1 5 5 3 4 9 3 0

Triple that number.

2 7 6 9 1 9 8 9 5 3

Subtract 10.

4 3 1 0 8 5 1 7 2 7

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

8 9 7 8 5 4 3 8 1 8

Multiply by 3.

5 2 1 8 6 8 3 2 4 7



Name: _____

Evaluate when $v = 9$.

$$6v + 3$$

Evaluate when $d = 3$.

$$36 - 9d$$

Evaluate when $x = 99$.

$$812 - x$$

Evaluate when $t = 9$.

$$8t + 14 + 8t$$

Evaluate when $w = 85$.

$$98 + w$$

Evaluate when $q = 16$.

$$\frac{12q}{4} - 2$$

Evaluate when $y = 117$.

$$\frac{4 + y}{11}$$

Evaluate when $p = 8$.

$$4p + 96,267$$

Evaluate when $m = 8$.

$$9m - 50$$

Evaluate when $w = 9$.

$$7w + 3$$

Evaluate when $d = 8$.

$$4d + 28,863$$

Evaluate when $x = 95$.

$$46 + x$$

Name: _____

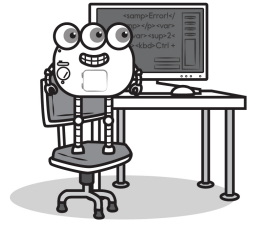
There are 2 prime numbers greater than 50 but less than 60. Name them.

Express $\frac{2}{9}$ as a repeating decimal.

Consistent Claire loves practicing her free throws. She is so consistent. Every game she gets the same percentage of free throws in the hoop. In the last game she played, Claire made 14 of 18 attempted free throws. In today's game, she attempted 27 free throws. If her percentage for this game is the same as her last game, how many of them went in?

Name: _____

Robot was given a math problem to solve.



The Edison Elementary School cafeteria workers made 34 pizzas for lunch. They cut each pizza into 18 pieces. How many pieces of pizza were there in all?

Robot wrote this program in Python to solve it.

```
# Variables
```

```
pizzas = 34
```

```
pieces_per_pizza = 18
```

```
# Calculation
```

```
total_pieces = pizzas * pieces_per_pizza
```

```
# Print the result
```

```
print(total_pieces)
```

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

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



Hints and a Question

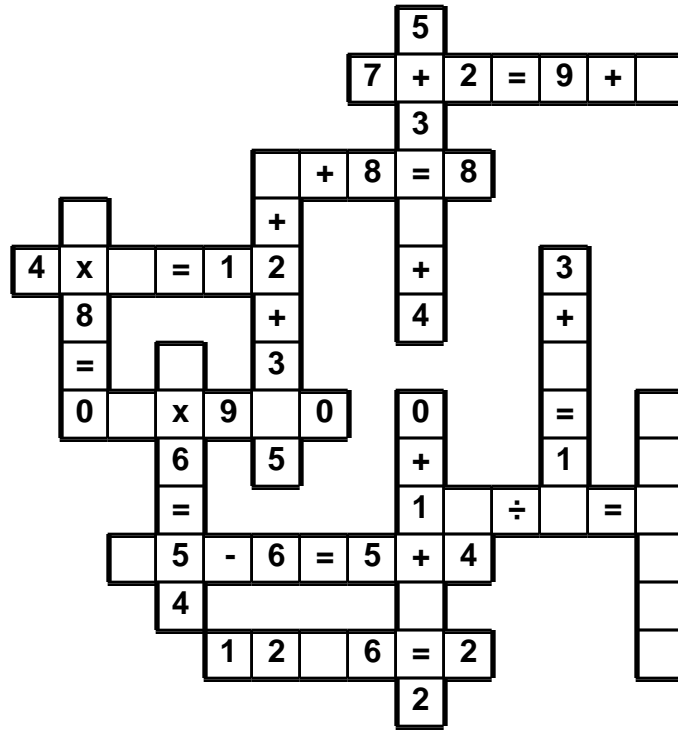
To multiply in Python `*` is used.

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

Name: _____

0 • 0 • 0 • 4 • 3 • 9 • 9 • 0 • = • 4 • + • 6 • 2 • 8 • 1 • = • 1
1 • ÷ • 2

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



$$\frac{108}{N} = 12$$

$$6n = 42$$

$$\frac{N}{6} = 7$$

Rewrite in scientific notation.

3,402,000

Simplify.

$$\frac{12,900}{21,500} =$$

If $f = -4$ and $n = 51$ then
what is the value of y ?

$$6f - 15n - 4n = y$$



Name: _____

Can you guess the word?

No duplicate letters can be used.

R E P L Y

The letter R is in the word
and is in the correct spot.

A **B** O V E

The letter B is in the word,
but B is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that
have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

B	U	N	C	H
T	H	R	O	W
S	H	E	A	R

D F G I J K L M P Q V X Y Z

--	--	--	--	--

Let's check if you guessed correctly. Look across or
down to find the correct answer.

RNHSHAREWWWIWBQBOUW
FCCEUAI BQBBIRARUBPL
OHRABOUHTRTONEZNSEQ
AHTDHPHTFSAHAMHCRHD
RAREAWERPRLCOTJHUOC
RZHDHSBIWTHROWDRECR

Hint: There are no duplicate letters in the answer.

P	R	O	S	E
U	N	C	L	E
G	U	I	D	E

A B F H J K M Q T V W X Y Z

--	--	--	--	--

Let's check if you guessed correctly. Look diagonally
to find the correct answer. (DIAGONAL!)

DGPOJDJUURPUEODE
HDURJUSUJGOEUJWC
EEGIOGDBDDDUROE
WESEDSXSJGMECEWU
UEJDUEEUIOESBVOE
JDRVRDRGULDPI MUI

Hint: There are no duplicate letters in the answer.

A	P	R	O	N
C	R	A	N	E

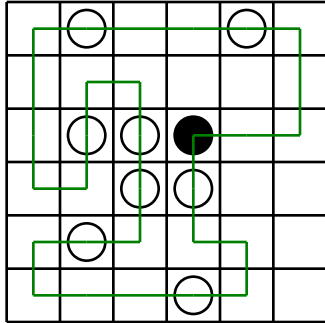
B D F G H I J K L M Q S T U V W
X Y Z

--	--	--	--	--

Let's check if you guessed correctly. Look diagonally
to find the correct answer. (DIAGONAL!)

HCNAYNCPHKPTWAACACF
TRNRPEDCNP DHURNSRON
PLOFARRARRMZOOFNCGD
NSRONNONHANTNARPCRX
RNTAPVCNHANRJAAEAHN
FECHDZNHPHRELHRSRHA
HAIARCNAAOVQODNCFCA
NZBCHNEAIOCLURAHTCR

Name: _____

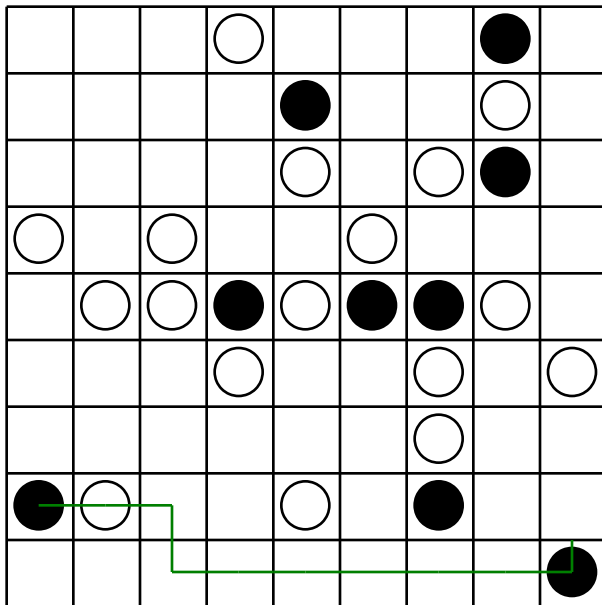


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

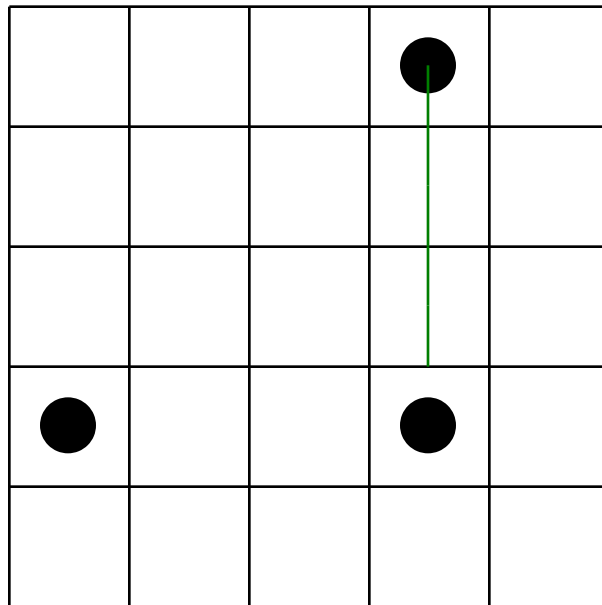
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

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

Finish the line:



Finish the line:



Make a decimal number. Start with a zero and a decimal point. Then use these numbers: 4, 5, 3, and 7. Make three different decimal numbers. Put your three decimal numbers in order from largest to smallest.

Circle the greatest number:

51,694,354,186
735,846,097,820
8,621
31,709,452

$5 \times 6 =$ _____

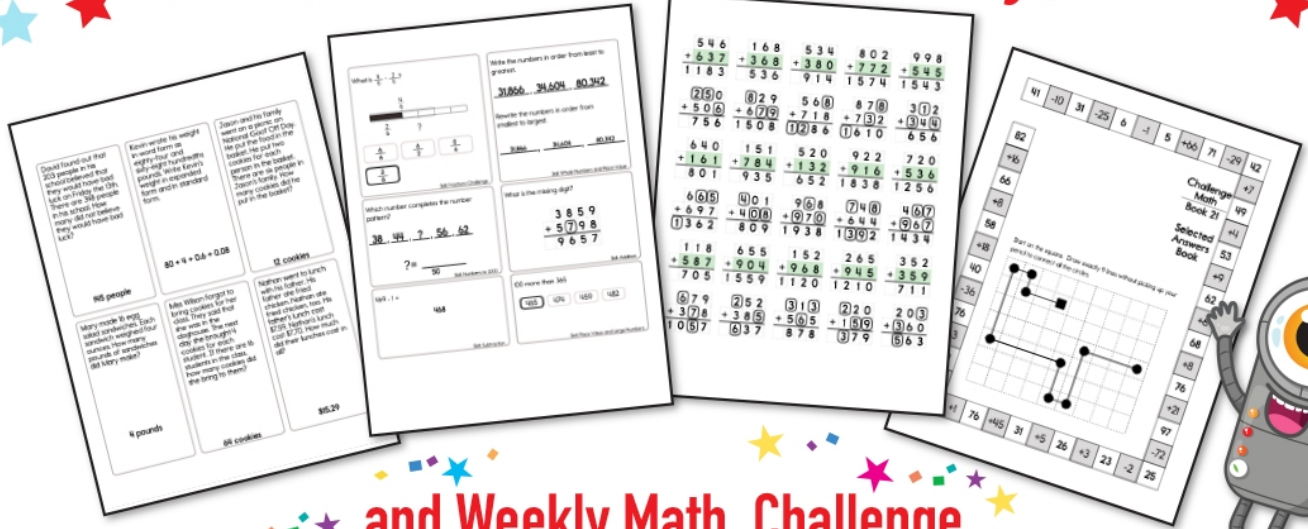
$7 \times 4 =$ _____

$92,195 + 83,553 =$ _____

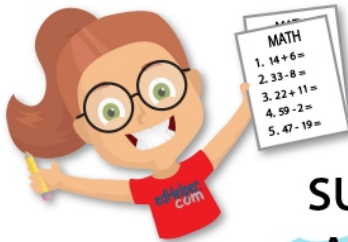
$36 \div 3 =$ _____

Write 702,447 in words.

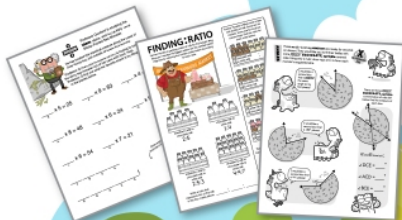
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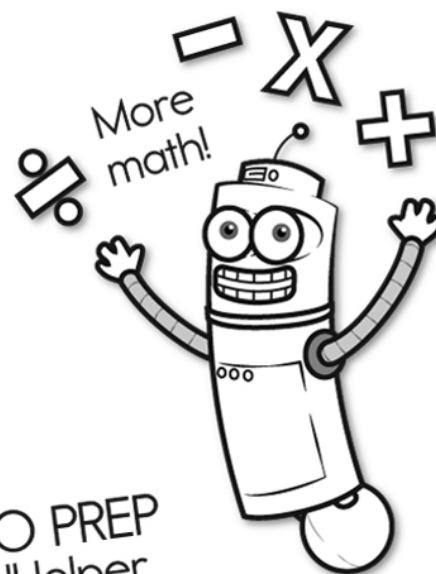
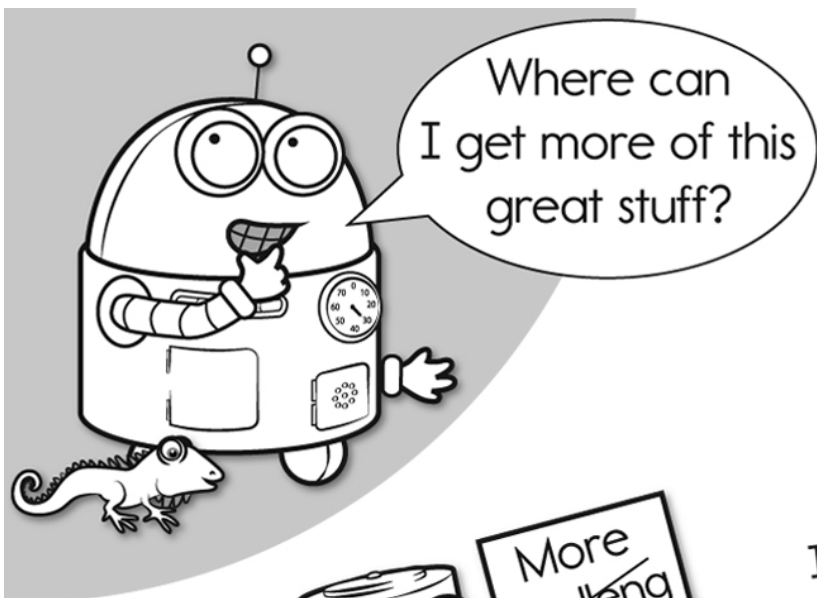


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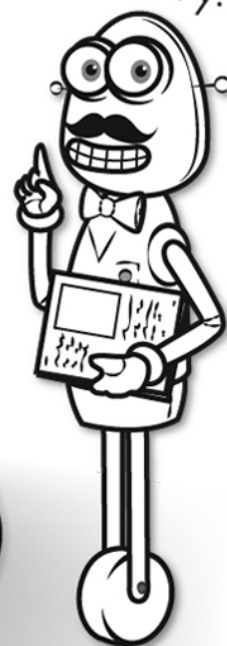


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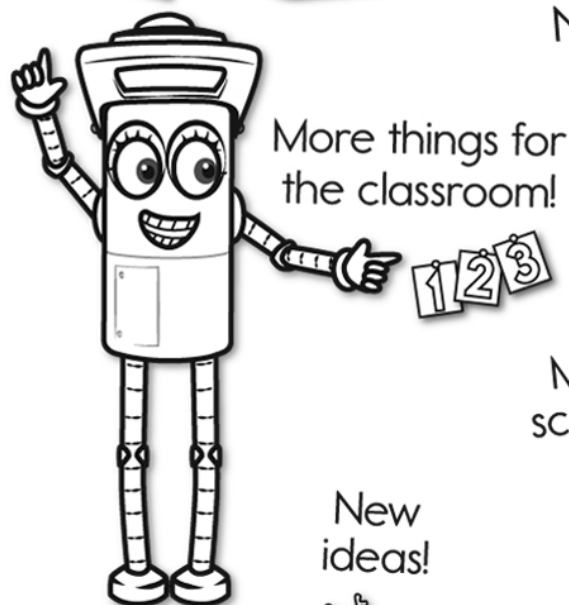
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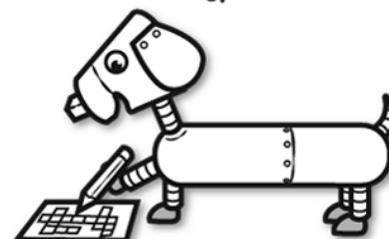


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x
+ =
- ÷
< >

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