

MONTHLY MATH CHALLENGE

September



My Name: _____

Do all of these,
but skip 2 pages:

- | | | |
|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> page 1 | <input type="checkbox"/> page 12 | <input type="checkbox"/> page 26 |
| <input type="checkbox"/> page 2 | <input type="checkbox"/> page 13 | <input type="checkbox"/> page 27 |
| <input type="checkbox"/> page 3 | <input type="checkbox"/> page 14 | <input type="checkbox"/> page 28 |
| <input type="checkbox"/> page 4 | <input type="checkbox"/> page 15 | <input type="checkbox"/> page 29 |
| <input type="checkbox"/> page 5 | <input type="checkbox"/> page 16 | <input type="checkbox"/> page 30 |
| <input type="checkbox"/> page 6 | <input type="checkbox"/> page 17 | <input type="checkbox"/> page 31 |
| <input type="checkbox"/> page 7 | <input type="checkbox"/> page 18 | <input type="checkbox"/> page 32 |
| <input type="checkbox"/> page 8 | <input type="checkbox"/> page 19 | <input type="checkbox"/> page 33 |
| <input type="checkbox"/> page 9 | <input type="checkbox"/> page 20 | <input type="checkbox"/> page 34 |
| <input type="checkbox"/> page 10 | <input type="checkbox"/> page 21 | |
| <input type="checkbox"/> page 11 | <input type="checkbox"/> page 22 | |
| | <input type="checkbox"/> page 23 | |
| | <input type="checkbox"/> page 24 | |
| | <input type="checkbox"/> page 25 | |

Find a helper to double-check
your work. Write their name:



Name: _____

"I like our new pre-algebra math books, but why do they have to start with teaching mean? I mean, why can't they just call it average!" whined Jen.

Sarah just gave her friend a look. "Don't even mention we started on median and mode. I keep thinking mode was mood, and I was in a bad mood by the time we started on mode."

"Mean is the average of a list of numbers," began Sarah's phone from her pocket.

"What?" asked Sarah. "I didn't ask you anything, Siri."

"Median is the number in the middle of a list," continued Siri. "And mode is the number that appears the most times in a list."

Sara was frustrated. "Hey, Sarah, no worries. Check this out. Siri, tell me a joke," said Jen.

"I am in a bad mood," said Siri. "Can you guess why? I had a list of numbers, and there is no mode. None! Zippo. No mode! It does have a median and mean, luckily."

Why does Siri's list of numbers have no mode?

Show your work.

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm



**I PLAYED
ONE
GAME**

☐

(Check the
box after
you play.)

MY SCORE



Write the reciprocal.

$$\frac{2}{18}$$

Write the reciprocal.

$$\frac{19}{16}$$

Write the reciprocal.

16

Round 13,709 to the nearest
thousand.

Write $\frac{4}{8}$ in lowest terms.

How many centimeters in
930.6 meters?

Name: _____

April loves talk about the weather. She talks to Alexa (the robot!) about it, her little brother, her big brother, and anyone else she knows. But she tries to avoid talking about it to her science teacher, Mrs. Clark. You know why she tries to avoid talking about the weather with Mrs. Clark? "Well, let me give you an example," interrupts April. "One day I was in class talking to Ava, when Mrs. Clark started talking."

"Class, settle down. Today I have a riddle for you," said Mrs. Clark. "Actually, it is not so much a riddle but more a case of the bad math. Here is how it goes. It was the start of September when one of my students asked how my summer went. I told her that each day if it rained, I rated the day a 0. If it was sunny, I rated the day a 7. And if it was cloudy, I rated the day a 4. I did this for 60 days during the summer. She asked me what the mean, median, mode, and range was for my list of 60 numbers. I told her that I would only tell her ONE number. What number should she pick, and why? Don't forget the why. Any answer might be correct if you have a good why!"

Show your work.

Name: _____

Circle 3 of the smallest numbers.

1,359,840

9,071,843

5,672,749

9,537,084

3,549,071

4,013,598

Order the numbers that are left from greatest to least.

Start with the number 45,860,202.

Now round that to the nearest million.

Then add eight millions.

Write the new number.

Start with the number 4,523.

Now round that to the nearest thousand.

Then add five hundred thousands.

Write the new number.

Jacob thought his homework was going to be easy since there was only ONE equation. But his brother Alex thought it was funny when he erased the addition signs. Put them back to make this equation equal to 103.

$$4 \ 4 \ 5 \ 9 \ 4 \ 5 = 103$$

Rewrite the entire equation.

Start with the number 4,185,843,832.

Now round that to the nearest million.

Then add three ten millions.

Write the new number.

How much larger or smaller is the new number compared to the original 4,185,843,832 number? Explain in words spelling out any numbers.

Hint: All the numbers should be less than 100.

Name: _____

Nathan thought his homework was going to be easy since there was only ONE equation. But his brother Robert thought it was funny when he erased the subtraction signs. Put them back to make this equation equal to 41.

$$8 \ 2 \ 2 \ 3 \ 1 \ 1 \ 7 = 41$$

Rewrite the entire equation.

Hint: All the numbers should be less than 100.

Write any number that fits these clues.

The digit in the ones is greater than the digit in the tens place.

It has a digit 6 in the millions place.

The greatest digit is in the ones place.

The digit in the ten thousands is less than the digit in the tens place.

It has a digit 8 in the hundreds place.

It is a 7-digit number.

The least digit is in the hundred thousands place.

Circle 3 of the smallest numbers.

25,449

37,113

30,504

58,855

88,703

25,659

Order the numbers that are left from greatest to least.

Write any number that fits these clues.

It has a digit 0 in the ten thousands place.

The digit in the ones is less than the digit in the hundreds place.

The digit in the thousands is greater than the digit in the millions place.

It has a digit 1 in the ones place.

It is a 7-digit number.

The greatest digit is in the thousands place.

It has a digit 0 in the tens place.

☐

I did page 6

☐I decided to skip this page
edHelper**Name:** _____

For gym class, Mrs. Wilson was going to try something different. "Today, we are going to play fast and quick ping pong," she told her class. She transformed the gym into ping pong land! There were 3 rows and 2 columns of ping pong tables. She continued, "Each ping pong game will last 120 seconds, and you play against one other person. After the game, run to the chart over here to mark who won or if there was a tie. Then you need to go to another table to play someone else. You have 30 seconds to mark your score and find another player until the next game starts. If you can't find a spot at a table, you have to sit out that round."

"Rad," interrupted Justin.

"One catch," continued Mrs. Wilson. "You cannot play the same player twice. And you have to play everyone in the class."

There were a total of 16 kids in the class. How long will it take for everyone to play everyone else exactly one game?

Show your work.

☐

I did page 7

☐I decided to skip this page
edHelper

Name: _____

Anna and Amy are playing a new giveaway game. The game is in the shape of a circle. A light goes around the circle. When a player presses the button, the light stops. Players can win 1 ticket, 2 tickets, 3 tickets, 4 tickets, 5 tickets, 6 tickets, 7 tickets, or 8 tickets, depending on where the light stops. Anna played one round, and then Amy played a round. What is the probability that they both won exactly 6 tickets?



Draw two different rectangles using the vertices.

Megan is learning about programming using variables and loops. She loves programming, and her program printed out a pattern that started like this:

43 50 57 64 71 78

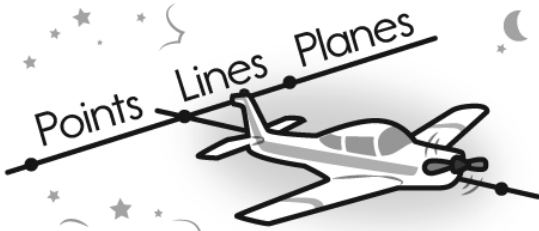
She describes this pattern by saying she assigned the number 43 to a variable. Then she increases the variable by 7 each time and prints it out. She lets the program run some more.

a. What would the 10th number be?

b. What would the 50th number be?

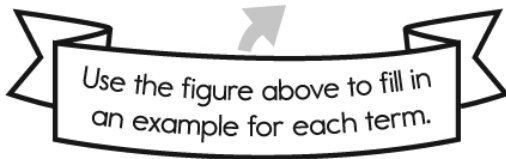
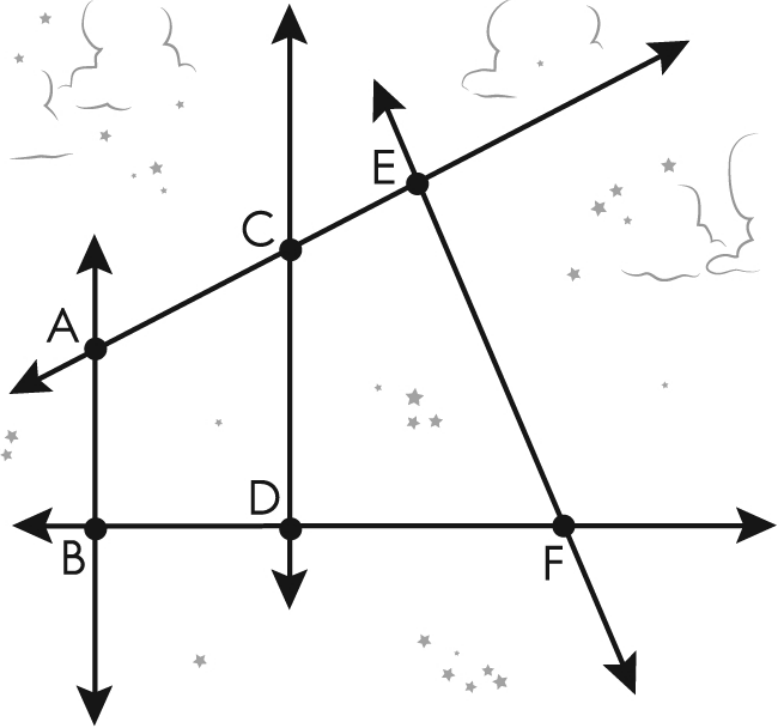
Jenna loves cars, and she has a dream job selling cars. Draw a circle graph to show the popularity of colors chosen by her customers. She sold a total of 300 cars in the last 12 months. She sold 50 cars that were pearl white, 50 solid black cars, 75 red multi-coat cars, 75 midnight silver metallic cars, and 50 deep blue metallic cars.

Name: _____



Draw and label another point on \overleftrightarrow{BF} .

Draw and label another point on \overleftrightarrow{CD} .



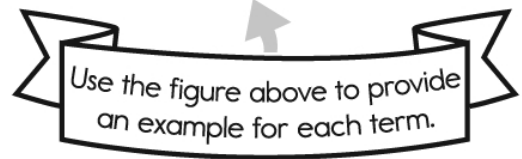
POINT: •

LINE: $\overleftrightarrow{\hspace{1cm}}$

LINE SEGMENT: $\overline{\hspace{1cm}}$

RAY: $\overrightarrow{\hspace{1cm}}$

PLANE:



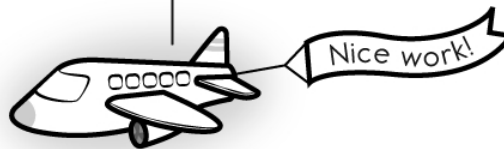
LINE:

RAY:

POINT:

PLANE:

LINE SEGMENT:

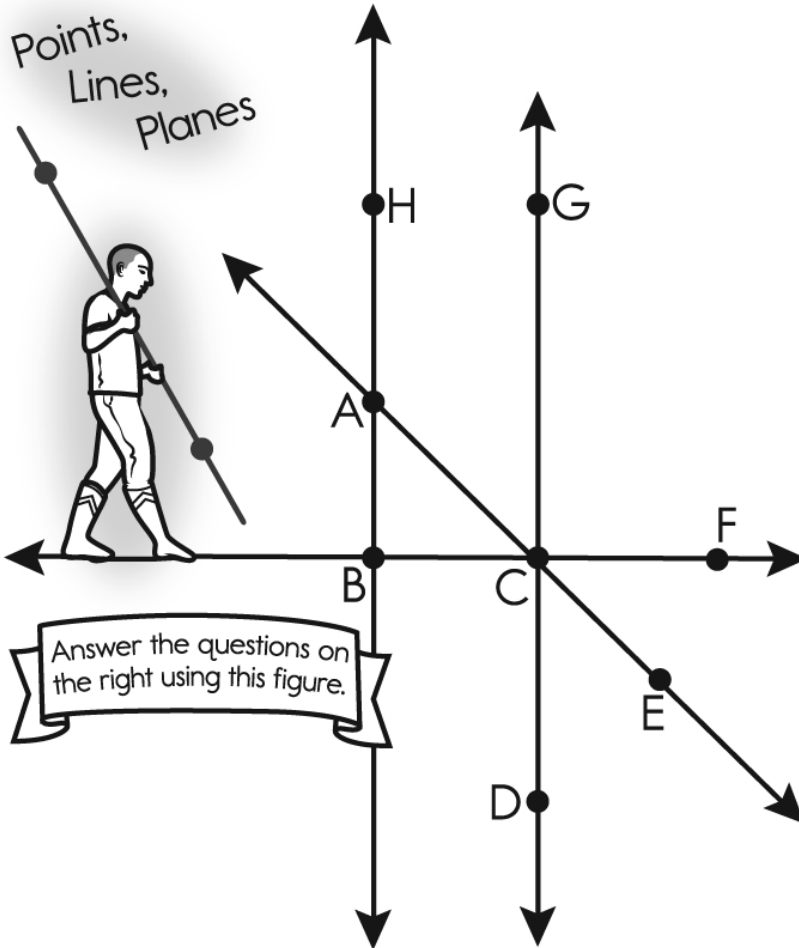


	Point	Line	Line Segment	Ray	Plane*
Example:	\bullet A	\overleftrightarrow{AB}	\overline{AB}	\overrightarrow{AB}	
Symbol:	A	\overleftrightarrow{AB}	\overline{AB}	\overrightarrow{AB}	ABF

* A plane can be defined by three points it contains, as long as they are not on the same line.

Name: _____

Points,
Lines,
Planes



What is another name for \overleftrightarrow{GD} ?

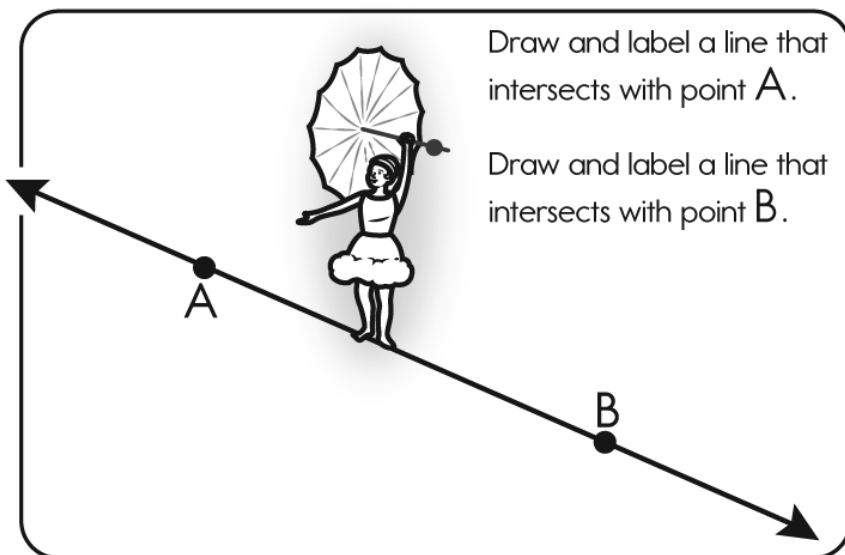
What is another name for \overleftrightarrow{BC} ?

What is another name for \overleftrightarrow{AC} ?

What point is common to
 \overleftrightarrow{HB} and \overleftrightarrow{CE} ?

What point is common to
 \overleftrightarrow{GD} , \overleftrightarrow{AE} and \overleftrightarrow{BF} ?

Name a plane that the
tight ropewalker is on:



	Point	Line	Line Segment	Ray	Plane*
Example:					
Symbol:	A	\overleftrightarrow{AB}	\overline{AB}	\overrightarrow{AB}	ABF

* A plane can be defined by three points it contains, as long as they are not on the same line.

Name: _____

What is the smallest prime number greater than 48?

- 53
- 52
- 45
- 57

Four years ago Amanda was 7 years old. How old was she seven years ago?

- 21
- 12
- 4

What is the smallest prime number greater than 42?

- 49
- 37
- 50
- 43

If you add 9 to an even number, the new number must be

- even
- prime
- odd

$$\underline{\hspace{1cm}} : 3 = 48 : 4$$

- 36
- 12
- 4
- 5

Which of the following is closest in value to 2084?

- 2,135
- 2,161
- 2,146
- 2,148

Which ratio equals 66:24?

- 5:28
- 5:19
- 2:11
- 11:4

Which of the following is divisible by 3, 4, and 5?

- 180
- 6,380
- 8,550
- 16,668

Which ratio equals 243:45?

- 27:5
- 5:13
- 2:17
- 5:20

What is the sum of the measures of all the angles in 3 squares?

- 1980°
- 1080°
- 2070°
- 1890°

Anna gave Hannah \$9 on the first of March. Each day thereafter she gave Hannah double the amount from the day before. If Hannah started out with \$40, how much will Hannah have after Anna gives her money on March 4?

- \$112.00
- \$135.00
- \$175.00

The perimeter of a square is 16 cm. What is the area?

- 81 cm²
- 196 cm²
- 16 cm²
- 169 cm²

Name: _____

Circle the one that is smaller.

- a. $95\frac{1}{5}$ or $95\frac{1}{6}$
- b. $\frac{59}{4}$ or $\frac{59}{3}$
- c. $\frac{1}{7} + \frac{1}{7}$ or $\frac{1}{6} + \frac{1}{6}$
- d. $\frac{1}{4}$ or $\frac{1}{5}$
- e. $37 + \frac{1}{5}$ or $37 + \frac{1}{6}$

Circle the one that is smaller.

- a. 8,000 cm or 8 mm
- b. 5.000084 or 5.00000084
- c. $18 \div 13$ or $17 \div 12$
- d. $3 \div 11$ or $2 \div 10$
- e. 6.0044 or 6.0000044
- f. 7 km or 70,000 cm
- g. 6 mm or 6,000 cm
- h. $3 \div 11$ or $4 \div 12$

Who traveled the shortest distance?

Rose rode her bike for 35 minutes at an average speed of 15 miles per hour.

Gavin walked at an average speed of 4.8 miles per hour for 2 hours and 30 minutes.

Jenna took her electric scooter to the mall. It took her 17 minutes to get to the mall, and her average speed was 12 miles per hour.

Megan's Donuts are the best. They cost \$0.40 per donut, or you can buy a dozen and get \$1.50 off.

Only 5 blocks away, they have Holly's Donuts, and they are just as good.

The donuts cost \$0.90 each at Holly's Donuts, or you can buy a dozen and get \$2.10 off.

You need to buy 16 donuts for a party. Which store would cost the least?

Name: _____

CHALLENGE YOUR CLASSMATES!

(OR SIBLING OR PARENT)

Play against
someone!

Go to:

edhelper.com/math-games.htm

Pick your
grade. Then play
to challenge
someone else.

Date played:

Whom I challenged:

Who won?

Explain what you learned from one math problem you got wrong.

YOU
WIN!



An angle measures 124° .
What would you call this
angle?

Sketch an acute angle
named $\angle CDE$.

Sketch an obtuse angle
named $\angle EFG$.

Name: _____

Randy just landed a new job as a meteorologist for a radio station. Unfortunately, his time slot was 4 a.m.

"You are on in 25 seconds," yelled the station manager.

Poor Randy almost fell asleep as he waited!

At exactly 4 a.m. Randy was ready. "Good morning you early birds," started Randy. "It's cold out there! Dress warmly. But don't despair about the early -12 degree Celsius weather. At sunrise, it will be 8 degrees warmer, and it will warm up another 15 degrees by noon."

Pity the poor listeners at 4 a.m. They probably have no idea how warm it will be at noon. Do you?

Wow. That's cold!

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm**I PLAYED
ONE
GAME**☐(Check the
box after
you play.)**MY SCORE**



$$\begin{array}{r} 19 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 862 \\ \times 77 \\ \hline \end{array}$$

$$\begin{array}{r} 540 \\ \times 5 \\ \hline \end{array}$$

How many minutes is it
from 6:00 a.m. to 10:15 a.m.?

Round 60,647 to the
nearest hundred.

Estimate quickly the
difference.
5,610 - 1,540

Name: _____

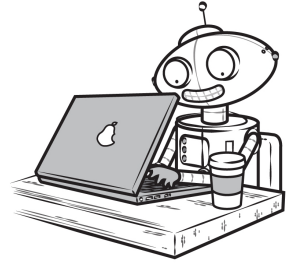
The Dressed Up Pet Parade began at 4:34 p.m. The parade was over forty-five minutes later. What time did the parade end?

Live coverage of the Boston Marathon begins at 11:30 a.m. and lasts until 2:30 p.m. On the same day, it will be re-aired from 5:00 p.m. to 7:00 p.m. How much television time will be devoted to the Boston Marathon?

It takes one hundred seventeen pounds of milk to make nine pounds of cheese. At that rate, how much milk does it take to make thirteen ounces of cheese?

Name: _____

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.

**Dr. Programmer typed:****The computer replied:**

```
A = 5710
B = 100
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

The number that is
100 more than 5710
is 5810

```
A = 2342
B = 10
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

The number that is
10 more than 2342 is
2352

```
A = 3737
B = 100
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```



```
A = 4013
B = 10
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```


Name: _____

$A = 52830$

$B = 1000$

$C = A + B$

print ("The number that is ",
B," more than ",A," is ",C)

$A = 45304$

$B = 10000$

$C = A + B$

print ("The number that is ",
B," more than ",A," is ",C)

$A = 8445$

$B = 100$

$C = A + B$

print (B," more than ",A," is ",C)

$A = 7818$

$B = 10$

$C = A + B$

print (B," more than ",A," is ",C)

$A = 32804$

$B = 1000$

$C = A + B$

print (B," more than ",A," is ",C)

Is 846 closer to 800 or
900?

Anne has 50 books. She
organized them equally
into 5 boxes. How many
books in each box?

$$\underline{\hspace{1cm}} \div 9 = 2$$

Name: _____

Reduce $\frac{6}{16}$ to its lowest terms.

Write the reciprocal.

$$\frac{8}{14}$$

$$8 - \frac{3}{4} + \frac{4}{7} =$$

$$\begin{array}{r} 2\frac{3}{9} \\ 8\frac{3}{9} \\ + \frac{4}{9} \\ \hline \end{array}$$

$$\frac{3}{4} \times \frac{2}{5} =$$

$$\begin{array}{r} 5\frac{8}{9} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$14 - \frac{1}{2} - \frac{3}{5} =$$

$$14 + \frac{3}{5} - \frac{3}{5} =$$

Reduce $\frac{28}{63}$ to its lowest terms.

Reduce $\frac{63}{171}$ to its lowest terms.

Write the reciprocal.

$$\frac{1}{3}$$

Write the reciprocal.
17

Write the reciprocal.
6

$$14 - \frac{5}{9} + \frac{3}{11} =$$

$$91 - \frac{2}{5} =$$

Name: _____

"Or" Questions:

```
if (true or false)
  print ("We have one true so it is true.");
else:
  print ("Everything is false so it is false");
```

The computer will print:

We have one
true so it is
true.

```
A = false or true;
print (A);
```

true

```
A = true or false;
print (A);
```

```
A = false or false;
print (A);
```

```
A = not (false);
print (A);
```

```
A = not (true or true);
print (A);
```

```
A = not (true or false);
print (A);
```

```
a="February";
```

```
if (a=="January") or (a=="February")
  print ("You are in group 1.");
```

```
if (a=="March") or (a=="April")
  print ("You are in group 2.");
```


☐

I did page 20

☐I decided to skip this page
edHelper

Name: _____

P = "Brazil";

if (P=="Canada") or (P=="Mexico") or (P=="US")
print ("That is in North America.");

else:

print ("I am not sure where that is.");

print("Need a NOT");

A = not (true or true or false);
print (A);

A = not (not(true));
print (A);

$398 + 7 =$

Is 32 a composite or a
prime number?How many total legs are on
11 ants?Pam has 42 cookies. She
and her 6 friends shared
them equally. How many
cookies did Pam keep?Draw a small clock that
shows 10 minutes to 8:00.

$9 \times \underline{\quad} = \underline{\quad} = 30 \times 3$

$4 \times 12 = \underline{\quad} = 6 \times \underline{\quad}$

$3 \times \underline{\quad} = 12 = \underline{\quad} \times 6$

$10 \times \underline{\quad} = \underline{\quad} = 25 \times 4$

$6 \times 9 = \underline{\quad} = 2 \times \underline{\quad}$

Name: _____

True, Not True, False, and Not False

True True

Not True False

False False

Not False True

**With "OR"
only ONE true is needed.**

True or False True

True or True True

False or True True

False or False False

False _____

Not True _____

Not False _____

True _____

True or False _____

False or True _____

False or False _____

True or True _____

$$\begin{array}{r} 278 \\ - 250 \\ \hline \end{array}$$

For 386,120,882, write the digit that is in the ten thousands place.

$$100 \div 10 = \underline{\hspace{2cm}}$$

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

$$\begin{array}{r} 63 \\ - 25 \\ \hline \end{array}$$

How many inches are in 5 feet?

_____ inches

In the number 78,696,120, the digit 7 is in what place?

$$(5 + 6) + 8 = \underline{\hspace{2cm}}$$

$$5,387 + 5,738 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 36 \\ + 23 \\ \hline \end{array}$$

$$7 \times 6 = \underline{\hspace{2cm}}$$

Write the missing family fact.

$$21 \times 10 = 210$$

$$210 \div 10 = 21$$

$$210 \div 21 = 10$$

Name: _____

Find 2 equations hidden in each box. Good luck!

8

4
4 - 3

6

1 - 1

1

0

8 - 6

Write 2 equations: _____

562

745 + 56

54 + 260

362

898 + 57

198

130 + 68

76 + 233

205 + 99

217

309

79 + 383

501

692

Write 2 equations: _____

36

3 x 0

5 x 3

6

9 x 3

1 x 6

7 x 9

7 x 7

7 x 6

16

4 x 5

10

8

5 x 5

56

2 x 4 48

Write 2 equations: _____

Name: _____

"Wow, you can code apps?" asked Ronald.

"Like, yeah!" replied Sally. But then Sally remembered she still had some work to do on her app. She just learned to use `\n` to go from one line to the next.



Sally wants her program to print this:

Wow!

Write the code:

```
print ("____\n")
```

Ronald is going to add to Sally's program. He wants it to now print this instead:

Wow!

Look at that dog.

Write the code:

```
print ("____\n")
print ("_____")
```

Sally is making something for April.

Hi, April.

Want to ride bikes?

Write the code:

```
print ("Hi, April.\n")
print ("_____r_____b_____?__")
```

April wants to reply with:

Yes!

Write the code:

Name: _____

$$\begin{array}{r} 17.4 \\ + 12.53 \\ \hline \end{array}$$

$$\begin{array}{r} 98.127 \\ + 857.7 \\ \hline \end{array}$$

Write the decimal number
for:
seventy-eight thousandths

Convert to a fraction or
mixed number and simplify.

$$5.0027 =$$

$$4.0006 =$$

$$7.79 =$$

$$0.0684 =$$

$$5.028 =$$

$$48.009 =$$

$$27 \overline{) 142.56}$$

$$\begin{array}{r} 6.1 \\ 32.624 \\ 95.71 \\ 14.788 \\ + 2.69 \\ \hline \end{array}$$

$$\begin{array}{r} 14.761 \\ - 7.1 \\ \hline \end{array}$$

$$\begin{array}{r} 7.53 \\ \times 6.7 \\ \hline \end{array}$$

Write the decimal number
for:
eight hundred nineteen
and thirty-one thousandths

$$\begin{array}{r} 5.16 \\ + 918.366 \\ \hline \end{array}$$

Write the decimal number
for:
seven hundredths

$$\begin{array}{r} 9.6 \\ - 1.522 \\ \hline \end{array}$$

Name: _____

Girls' Day is held on the third day of the third month in Japan. Boys' Day is celebrated on the fifth day of the fifth month. This day is also called Children's Day. How many days after Girls' Day does Children's Day occur?

Anne told her father that she needed 93 inches of rope to make a double jump rope. He said that he needed to know how many feet of rope she wanted. Change 93 inches to feet.

Which two of these numbers have a product of 3.102?

0.047

4.7

5.8

6.6

0.58

0.47

0.066

0.66

Show the steps to solve $4(37 + 9 - 14) \div 8 \times 12 \times 11$

Parentheses

Exponents

Multiplication & Division (or Division & Multiplication!)

Addition & Subtraction (or Subtraction & Division!)

Name: _____

$$\begin{array}{r} 377 \\ + 88 \\ \hline \end{array}$$

$$\begin{array}{r} 9,874 \\ - 4,365 \\ \hline \end{array}$$

$$3676 - 6750 =$$

$$5432 + 311 + 681 =$$

$$7 \overline{) 680}$$

Divide and write remainder.

$$31 \overline{) 4250}$$

Divide and write remainder.

$$4 \overline{) 2913}$$

Divide and write remainder.

$$81 \overline{) 4594}$$

Divide and write remainder.

$$50 \overline{) 2573}$$

Divide and write remainder.

Name: _____

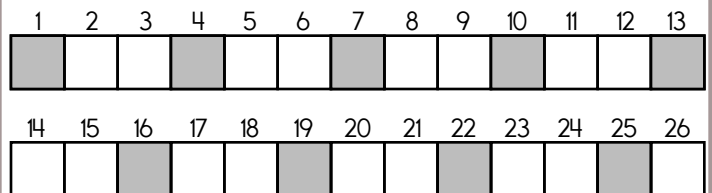
Jenna has 12 at-bats with 9 hits. To calculate her batting average, Coach Mary takes hits and divides that by at-bats. She rounds the quotient to the nearest thousandth. What is Jenna's batting average?

On her next at-bat, Jenna strikes out. Should her batting average go up or down?

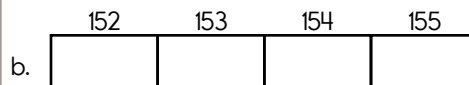
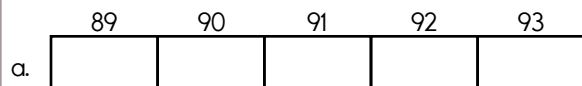
April tosses a number cube with the numbers 1 through 6 on it. She tosses it again, takes the sum, and moves that many spots on a board game. What is the probability that she moves exactly eight spaces?

Anna is picking winning numbers for a game she is making. The first winning number is 6. She then doubles 6, and that is another winning number. She keeps doubling the number till she has four winning numbers.

What is the first winning number that is greater than 10?



If this pattern continues, color how these squares would look:



Name: _____

I am a 3-digit number with a 6 in the hundreds place. My tens digit is greater than my ones digit. Write any number that fits this.

Use any of these digits. Cross off a digit after you use it.

0 9 7 6 0 3 7 1

Write the smallest 3-digit number that you can come up with that is divisible by 3.

Sara baked mini cupcakes and wants to put an equal number of cupcakes on some plates.

If she uses 4 plates, there will only be 2 mini cupcakes leftover. If she uses 7 plates, there will only be 5 mini cupcakes leftover. How many mini cupcakes do you think she made?

Name: _____

Which ratio equals 216:243?

25:20
28:25
24:27
24:22

$$2^0 + 2^1 =$$

5
3
4
6
2

7 is a factor of

132
165
104
133
95

Half the sum of two numbers is 31. One of the numbers is 24. What is the other number?

44
38
29
23

If 6 out of 40 kids passed level 1 in the new game Gazimeo, what percent of the kids did not pass level 1?

11%
89%
85%
15%

Which is the same value as the "1" in 71,529?

10^3
 10^1
 10^5
 10^4

Which of the following is divisible by 3, 4, and 5?

20,847
4,330
7,115
60

Which ratio equals 225:36?

26:4
25:4
4:29
17:5

Which ratio equals 232:240?

18:23
16:21
29:30
19:20

$$96 + 96 + 96 + 96 + 27 + 27 + 27 + 27 =$$

519
615
524
0
492

Anna practices jump roping everyday. She had 36, 31, and 26 jumps on her first three tries. What must she average on her next two jumps to get an average of 30 jumps for her five jumps?

39
42.5
28.5
48.5

$$85 + 85 + 85 + 28 + 28 + 28 + 28 \times 0 =$$

335
254
346
339
0

Name: _____

$$2^1 + 2^2 + 2^3 + 2^4 =$$

38
34
33
28
30

7 is a factor of

157
127
112
167
170

Which ratio equals 72:30?

12:5
26:3
5:29
3:29

If the average of two numbers is 11, which of the following could the numbers be?

5 and 17
2 and 20
8 and 20
11 and 4
15 and 10

If each box holds 9 books, then ____ boxes will hold 126 books.

900
90
14
378

Which of the following is divisible by 4, 5, 6, and 7?

24,017
5,040
1,660
7,961

$$1^0 + 1^1 + 1^2 + 1^3 =$$

5
3
13
4
7

Circle the answer closest to 31 weeks.

220 days
254 days
215 days
200 days

Which ratio equals 91:14?

17:5
13:2
29:4
5:27

Circle the answer closest to 33 weeks.

184 days
219 days
281 days
222 days

Which of the following is divisible by 4, 5, 6, and 7?

23,878
2,520
11,515
21,760

$$1^0 + 1^1 + 1^2 + 1^3 =$$

10
4
2
6
5

$$2^0 + 2^1 =$$

2
4
5
6
3

8 is a factor of

136
153
175
100
194

Which ratio equals 216:261?

31:29
23:22
24:20
24:29

Name: _____

During recess, three out of every four kids were playing soccer. The rest played basketball. If forty-eight kids were at recess, then how many kids were playing soccer?

Two numbers have a sum of 104. The difference between the two numbers is 40. They are both positive whole numbers. What are the numbers?

At Sara's Books, they are having a big sale. All of the blue books are \$2.89 each. Sara is the owner and will make 38 cents from each sale. She is hoping to earn \$13.30 during the sale. How many books will she need to sell?

Megan is working on a little tire for a toy car. In fast mode, the tire will rotate 20 times per second. In slow mode, it rotates 8 times per second. Megan put the car on fast mode and let it run for 3.3 minutes. How many times did the little tire rotate during this time?

Name: _____

$6161 + 5,445 =$

- A) 71,606
- B) 11,606
- C) 11,586
- D) 291,654

Which even number is between 50 and 70 and is a multiple of six?

- A) 72
- B) 66
- C) 57
- D) 65

How many numbers are evenly divisible by five between 35 and 48?

- A) 2
- B) 3
- C) 7
- D) None of the above

$(72 \div 9) + 86 = \underline{\hspace{2cm}}?$

- A) 84
- B) 99
- C) 94
- D) 114

Which of the following numbers is between 53,278,849 and 53,279,049?

- A) 53279549
- B) 53284049
- C) 53279033
- D) 52778849

$8.9 \times 6.3 =$

- A) 56.09
- B) 36.67
- C) 56.07
- D) 55.07

Name: _____

$$\begin{array}{r} 723,751 \\ - 148,450 \\ \hline \end{array}$$

Subtract 328 from 745.

$$\begin{array}{r} 37,601 \\ - 15,867 \\ \hline \end{array}$$

Reduce $\frac{36}{38}$ to its lowest terms.

Write the reciprocal.

$$\frac{13}{19}$$

$$19 - \frac{7}{8} - \frac{1}{3} =$$

Change $\frac{18}{45}$ to a decimal.

Find 3% of 230.

Change 16% to a decimal.

Change 0.75 to a percent.

Find 75% of 276.

Change $\frac{1}{5}$ to a decimal.

Find 71% of 362.

Change $\frac{8}{10}$ to a percent.Change $\frac{8}{10}$ to a decimal.

Name: _____

**FUN
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edHelper.com/math-games.htm**I PLAYED
ONE
GAME**☐(Check the
box after
you play.)**MY SCORE**



$$9\frac{3}{7} + 7\frac{6}{7}$$

$$\frac{1}{2401}, \quad \text{---}, \quad \frac{1}{49}, \quad \frac{1}{7},$$

(1), (7), (49), (343),
(2,401)

How many minutes is it
from 7:00 a.m. to 11:15 a.m.?

It was 93 degrees outside.
What would the
temperature be if it got 22
degrees colder?

What 5 coins add up to 29
cents?

132 divided by 12 equals



It's NO PREP at edHelper.

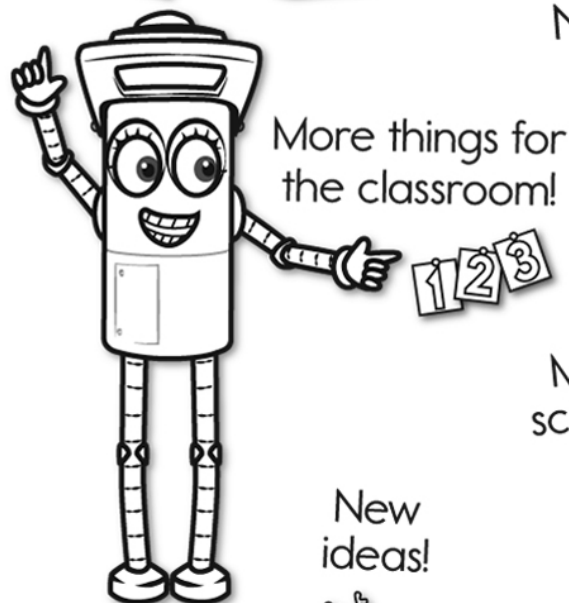
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