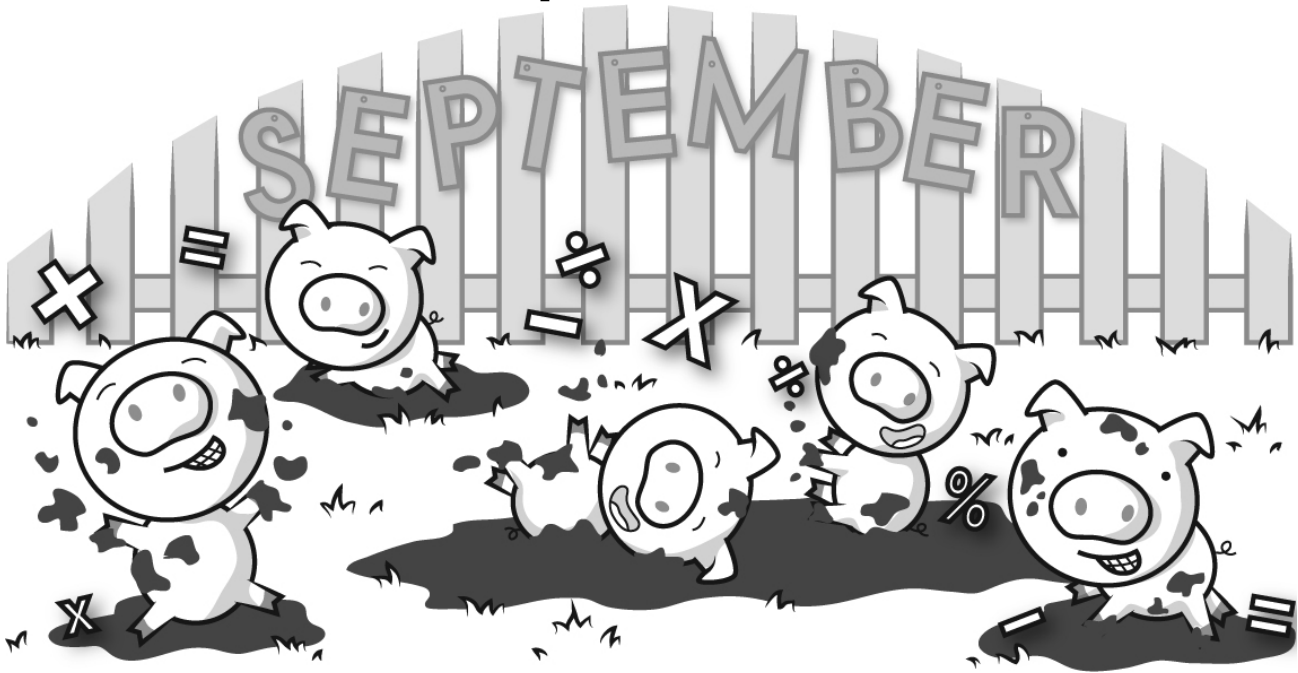


MONTHLY MATH CHALLENGE

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 35 |
| <input type="checkbox"/> page 11 | <input type="checkbox"/> page 22 | <input type="checkbox"/> page 36 |
| | <input type="checkbox"/> page 23 | <input type="checkbox"/> page 37 |
| | <input type="checkbox"/> page 24 | |
| | <input type="checkbox"/> page 25 | |

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



Name: _____

David and Sara both started getting an allowance 7 weeks ago, and they haven't spent a cent! David needs to do his own laundry, feed the dog, and clean the dishes. He is the oldest in the family and gets a weekly allowance of \$1.50 for each year of his age.

Sara needs to mow the grass, clean her room, and vacuum the living room. She is not as old as David, but she isn't that much younger. She also gets an allowance of \$1.50 for each year of her age. She earns even more money each week by babysitting her little sister, Anna. She gets an extra \$5 each week for babysitting.

Anna doesn't get an allowance yet!

Sara now has \$14 more than David. Together they have \$350.

How old is David?

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



If you exchange 90 dimes for dollars, then how many dollars would you get?

Round 197 to the nearest ten.

How many minutes are there from 9:00 p.m. until 10:15 p.m.?

Jessica gave out a survey. The answers she got back were 14, 11, 14, and 17. What is the range of these numbers?

Circle the seven numbers whose sum equals 45.

8	2	6	8
11	1	4	12
4	9	5	11

How many total legs are on 6 zebras?

Name: _____

Robert and Nathan are BFFs, so of course, they were fighting over a game of shuffleboard.

"I win!" yelled Robert.

"No, clearly, I win. I have 2 pucks on 10 off, 1 puck on 8, and 1 puck on 7."

How many points does Robert have?

"I'm not sure why you are fighting," interrupts Sally. "Nathan doesn't even have any pucks on the board. He has three pucks off the board, and each puck off the board is 5 off."

How many points does Nathan have?

Who won?

"Wait!" says Nathan. "I didn't know we lose 5 points for each puck off the board. I thought it just is 0."

If a puck off the board is just 0, then how many points would Nathan have? Does this change who wins?

Name: _____

Kevin is taking a 24-hour walk challenge. He is trying to stay awake for 24 hours and plans to walk as far as he can. Each hour he plans to sit and rest for only 5 minutes. If he is able to do this, how long will he spend walking and not resting during the 24 hours?

_____ hours and _____ minutes

Pumpkins are on sale for \$2.26 per pound. Hunter bought a 2-pound pumpkin. Alex bought a 7-pound pumpkin. How much more did Alex pay?

Fill in the missing numbers.

$$\frac{5}{12} = \frac{10}{\quad}$$

$$\frac{2}{4} = \frac{1}{\quad}$$

$$\frac{5}{20} = \frac{\quad}{4}$$

$$\frac{3}{15} = \frac{\quad}{5}$$

$$\frac{3}{10} = \frac{6}{\quad}$$

$$\frac{2}{22} = \frac{1}{\quad}$$

$$\frac{2}{14} = \frac{\quad}{7}$$

$$\frac{4}{18} = \frac{2}{\quad}$$

$$\frac{2}{6} = \frac{\quad}{3}$$

☐

I did page 5

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

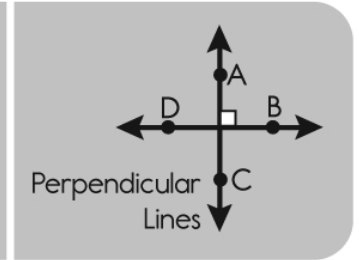
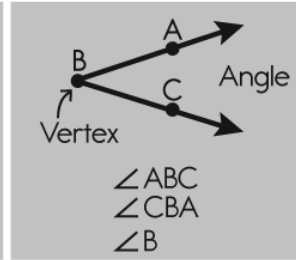
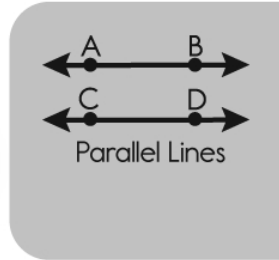
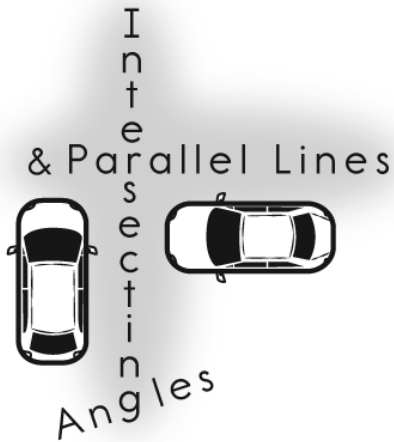
Mrs. Miller is the best gym teacher. "Today, we are going to play 1 on 1 basketball. Each game will be 3 minutes long, and you have to play everyone else in the class," Mrs. Miller said.

The gym has 6 basketball courts, and there are 12 kids in this class.

Everyone has to play everyone else. A game lasts 3 minutes, and there are about 30 seconds between each game. How long will it take to do this?

Show your work.


Name: _____




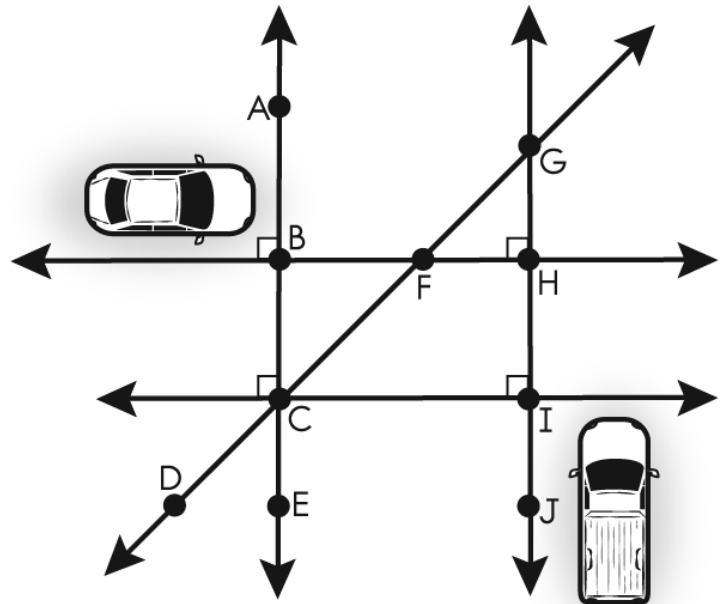
What line is **parallel** to BC ? \longleftrightarrow

What lines are **perpendicular** to BE ? \longleftrightarrow

What **angle** shares a **vertex** with $\angle GFH$?

What **vertex** is closest to the car? 

What **vertex** is closest to the truck? 



What line intersects
 BC , HI , BF , and CI ? \longleftrightarrow

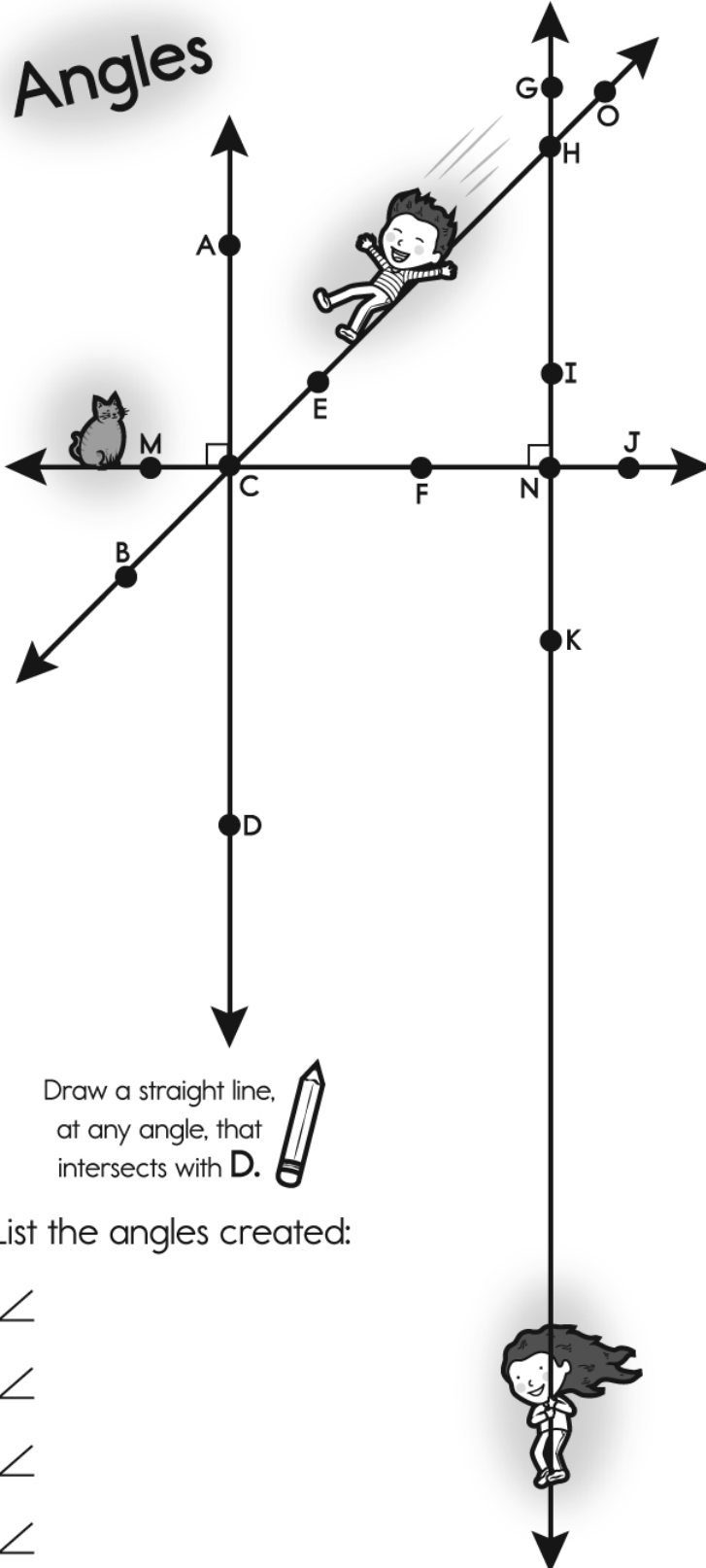
• Draw a line with two points. Label them **A** and **B**.

• Draw a perpendicular line, intersecting at **B**, with two more points. Label them **C** and **D**.

• Draw a line parallel to AB intersecting at **C**. Label two more points **E** and **F**. \longleftrightarrow

Name: _____

Angles



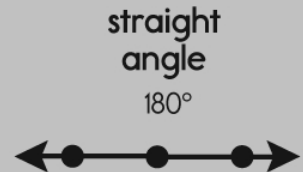
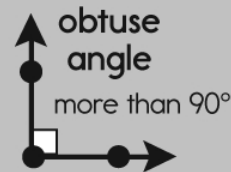
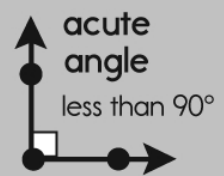
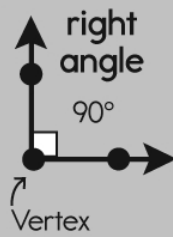
Draw a straight line,
at any angle, that
intersects with D.



List the angles created:

\angle
 \angle
 \angle
 \angle

What is another angle that shares a vertex with $\angle FCE$?



What kind of angle is $\angle ACE$?

What kind of angle is $\angle INJ$?

What kind of angle is $\angle GHE$?

What kind of angle is $\angle INK$?

Name another **ACUTE** angle:

Name another **OBTUSE** angle:

Name another **RIGHT** angle:

Name another **STRAIGHT** angle:

Name: _____

$3 + 30 + 300 =$

333
345
9
33,300

The answer is six hundred twenty. What is the question?

60×610
 600×10
 10×62

How many whole numbers are less than 13?

13
16
11
14

If 100 cm = 1 m, then which of the following is equal to 18 m?

180 cm
1800 m
1800 cm
180 m

What time was it 20 minutes before 1:15?

12:55
1:35
1:53

The equation $28 + 28 + 28 + 28 + 28$ exceeds $26 + 26 + 26 + 26 + 26$ by how many 2s?

6
4
1
9

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

even
prime
odd

9 hundreds + 9 tens + 17 ones =

1013
1077
1007
9917

What is the square of 8?

48
16
40
512
64

Amy and Hannah both have the same sized cups. Amy fills her cup to the top with \$6 worth of dimes. Hannah wants to fill her cup with the same amount of dimes. How many dimes does she need?

24
60
6
30

A string that is 30 cm is cut into 3 pieces of equal length. What is the length of one of the pieces?

18 cm
10 cm
15 cm
30 cm

Sarah loves soccer. Yesterday her high juggle was 5. Her goal is to double her high each day. If she can do that, how many juggles should she get in 2 days?

80
10
40
160

☐

I did page 9

☐I decided to skip this page
edHelper

Name: _____

Megan has a lot of cones! She put down one cone outside of her house. She then walked eight thousand inches and put down another cone. She kept doing this. By the time she put down her last cone she had walked eighty thousand inches. How many cones did she put down?

Ack! Mary forgot how to unlock her phone, but it has a special unlock program. The program says that the unlock code is 4 digits. All the digits are different numbers. The digit in the thousands place is 2 less than the digit in the tens place. The digit in the tens place is 3 more than the digit in the hundreds place.

Any number that fits the above rules will work. Can you name one number that will work?

Compare these numbers and write something about them, such as why they are similar or different.

114,072

34,072

3,072

Rosa keeps getting better each time she plays ZapIt. The first game she got 40,016 points, the second game she got 45,022 points, and the third time she got 50,028 points. A pattern! Wow, weird. What's your guess for how many points she will get in her fourth game? Why?

Name: _____

Two integers don't get along.

"We have a lot of differences, Negative," said Positive.

"We aren't that much different," said Negative.

"Maybe," said Positive. "Actually, you might have a point. We would be twins with the same value if you took the absolute value of me."

"Absolutely!" replied Negative.

"Yeah," said Positive. "Too bad we are still 18 units apart without cheating and using absolutes."

Zero was hiding behind the bush listening to Negative and Positive talk. "I wonder what these two numbers are," he said to himself. "Maybe it could be 6 and -2. Nah, that's 8 units apart, and how could the absolute value of -2 make it a twin of 6 when $|-2| = 2$? This is sooooooooooooo confusing."

Help Zero figure this out. And by the way, GOOD LUCK! Just for starters, the absolute value of a negative number is positive. Hope that helps.

Show your work.

This is not as confusing as it sounds! Did you know $|5|$ means the absolute value of 5? The answer is 5 because it is 5 units from zero. Absolute value measures the number of units from zero.

Name: _____

Which fraction is smaller?

$$\frac{9}{25} \text{ or } \frac{9}{10}$$

$$\frac{1}{4} \text{ or } \frac{31}{35}$$

$$\frac{16}{27} \text{ or } \frac{1}{9}$$

Robert got 2 personal pizzas. He cut his pizza into 7 equal slices and then ate 5 slices. He gave the other pizza to Hannah. She cut her pizza into 8 equal slices and then ate 6 slices. Draw a picture of each pizza.

Who ate the most pizza?

Max tried to measure his resting heart rate. His heart beat a total of 46 times in 45 seconds. April measured hers. She counted a heartbeat of 198 in 140 seconds.

Well-trained athletes tend to have resting heart rates that can be as slow as 40 beats per minute. Would you guess that Max or April was a well-trained athlete?

Sara is doing some mental math. She picked a number from a hat. Then she added 5 to that number. She then multiplied the sum by 8. The result she got was 64. What number did Sara start with?

Amy picked a number from the hat and did the same thing, but her result was 8 more than Sara's result. What number did Amy start with?

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!

What number is halfway
between 0 and 16?

What is the sum of 3 and
37?

$10 + (6 \times 12) + 6$

☐

I did page 13

☐I decided to skip this page
edHelper

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.

$$\frac{3}{7}$$

Write the reciprocal.

$$\frac{1}{6}$$

Write the reciprocal.

$$\frac{17}{6}$$

Find the product of 9 and 3.

Round 728 to the nearest
hundred.Name the shape with six
sides and six angles.

☐

I did page 14

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

"It's raining cats and dogs!" said Luna.

"No one talks like that anymore," interrupted Billy. "You should say something like this: Lawns are getting drenched. We had a record 0.37 inches of rainfall in 2 hours."

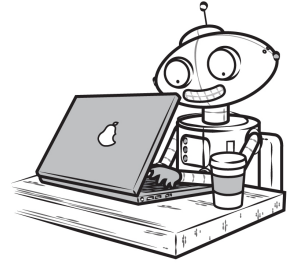
"That's not a record," replied Luna as she was checking her weather app. "The record for today is 2.64 inches. Can you believe that?"

How much more will it need to rain today to beat the record? And before you are sure this is an easy question, I didn't ask for how much rain to tie the record!

Show your work.

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 = 7011
B = 100
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

The number that is
100 more than 7011
is 7111

```
A = 7133
B = 10
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

The number that is
10 more than 7133 is
7143

```
A = 1764
B = 100
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```



```
A = 4332
B = 10
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```


Name: _____

$A = 81805$

$B = 1000$

$C = A + B$

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

$A = 73413$

$B = 10000$

$C = A + B$

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

$A = 3417$

$B = 100$

$C = A + B$

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

$A = 7882$

$B = 10$

$C = A + B$

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

$A = 20032$

$B = 1000$

$C = A + B$

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

What is 14 less than 1,499?

$16 \div \underline{\quad} = 8$

$2 + 9 \times 4$

☐

I did page 17

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

Show your work.

Peter couldn't believe it. "Can I hold the dog in the car when we bring it back?" Peter asked his sister Ava. They were finally getting a dog!

"I guess," said Ava. But then she thought of a way to trick him! "Only if you can tell me what time we first see him."

Peter looked at his phone. It was 8:20 a.m. He then opened his map app and plugged in the location of where they would pick up the dog. The app said it will take 2 hours and 15 minutes to get there.

"When are we leaving?" asked Peter.

"Now! Let's go," replied Ava.

It took them 10 minutes before everyone was in the car and their dad started driving.

"Hey, our car is low in power. I'm going to need to charge the car along the way. We'll stop at the Fun Mall for about 30 minutes along the way."

"Great!" said Peter, another delay. If only we had a gas car. Peter still needs to tell Ava what time they will approximately arrive. Care to venture a guess?

You won't believe what REALLY happened! Everything went according to plans, but they really spent 46 minutes at Fun Mall. And after Fun Mall, Ava decided she had to go to the bathroom. That wasted 5 minutes. Why couldn't she just go at Fun Mall? Also the map app was fairly accurate but it was fast by about 7 minutes. What time did the REALLY arrive?

And most importantly what should they name the dog?

☐

I did page 18

☐

I decided to skip this page

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:

```
print ("_____")
```

☐

I did page 19

☐I decided to skip this page
edHelper

Name: _____

Write an expression to match these words:
"There were five boxes with 33 nuts in each box. Mary took 74 nuts to make cookies."

The Nile River was 10 feet above flood stage yesterday. Today the water rose to 19 feet above flood stage. How far did the river rise today? Write an equation for this problem. Explain what the variable represents.

Which digit is in the hundred thousands place in the number 352,416,897?

Write the number that this digit represents.

"I can quickly divide a three-digit number by a two-digit number," Megan tells Kevin.

"Yeah, sure," replies Kevin. "Then what is 357 divided by 17?"

Megan has a trick. She will distract Kevin while you figure it out. Show your work!

word root **im** can mean **in or not****immobile, immobility, imposition**

☐

I did page 20

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

Did you know that you don't always have to use the word **gave** in your writing? Try to use different words for an overused word like **gave**. It will make your work more fun for others to read.

Circle words to the RIGHT or DOWN. Every letter is used exactly ONCE.

B		A	W	A	R	D	E	D
E	E	N	T	R	U	S	T	E
Q							D	R
U							O	E
E							N	S
A							A	E
T							T	N
H	E	N	D	O	W	E	D	E
E	B	E	S	T	O	W	E	D
D	P	R	O	V	I	D	E	D

Write the words found.

CONFERRED	PRESENTED	
_____	_____	_____
_____	_____	_____
_____	_____	_____

Write something using the word **gave** at least two times.

Now rewrite your boring writing without using the word **gave**.

I can't wait to read it!

How many words do you think it takes to improve your writing?

Fifty. That's 50! There are about 50 overused words we often use in writing and conversations.

When you find yourself repeating, try something different. It doesn't take much work to sound amazing!

Name: _____

**FUN
BREAK!**

Play a game online!

edHelper.com/math-games.htm



**I PLAYED
ONE
GAME**

☐

(Check the
box after
you play.)

MY SCORE



Sketch an obtuse angle
named $\angle GHI$.

What kind of angle has
a measure of between
 0° and 90° ?

An angle measures 50° .
What would you call this
angle?

19, 25, 34, 46,
_____, 79, 100, 124, 151,
181

Megan has 48 books. She
organized them equally
into 4 boxes. How many
books in each box?

In the parking lot there are
13 vehicles. There are 4
SUVs. What fraction of the
vehicles are not SUVs?

How many centimeters are in 70 millimeters?

_____ centimeters

☐

I did page 22

☐I decided to skip this page
edHelper

Name: _____

Hannah, Adam, Jenna, and Ava made two pans of brownies. They want to share the brownies equally among themselves. What fraction of a pan of brownies will each of them get?

What is the sum of $4\frac{1}{2}$ and $4 \div 6$?

Hint: What will you divide?
How many people are there?
How many pans of brownies?

What is the sum of $5\frac{2}{3}$ and $5 \div 6$?

$$\frac{5}{9} = 5 \div 9$$

$$\frac{2}{6} =$$

$$\frac{5}{10} =$$

$$\frac{8}{11} =$$

Maria and Jessica are so lucky. They each have hedgehogs!

Maria's hedgehog is named Max and weighs $16\frac{3}{4}$ ounces. Jessica's hedgehog is $1\frac{1}{2}$ ounces lighter and is named David.

How many ounces does David weigh?

$$2\frac{1}{4} + 3\frac{7}{8} + 3\frac{1}{2}$$

☐

I did page 23

☐I decided to skip this page
edHelper

Name: _____

It's time for a pizza party. We got two pizzas to share with three kids. If we want everyone to have the same amount of pizza, then what fraction of a pizza should each kid get?

Hint: Draw a picture of the pizzas.

Slice each of the pizzas into 3 parts.
Then give everyone an equal number of slices.
And answer the question - bam bam bam - what fraction of one pizza did everyone get?

Erin cleaned 5 reusable water bottles. She poured an equal amount of water into each of the bottles. In total, she used 3 quarts of water. How much water is in each bottle?

Hint: First divide. Then simplify your fraction. If your answer is an improper fraction, then change it to a mixed number.
And don't forget to add a label to the number. Otherwise, your answer is meaningless.

Make a fraction in simplest form.

$$28 \div 48 = \frac{28}{48} = \frac{28 \div 4}{48 \div 4} = \frac{7}{12}$$

$$36 \div 54 =$$

$$12 \div 22 =$$

$$16 \div 24 =$$

$$2\frac{1}{4} + 3\frac{7}{8} - 3\frac{1}{3}$$

Let's make some fractions.

$$7 \div 8 = \frac{7}{8} \quad 7 \div 10 = \quad 10 \div 11 =$$

$$7 \div 12 = \quad 6 \div 9 = \quad 4 \div 6 =$$

Name: _____

The Police Week 5K race attracted runners from all over the Southeast. David Walker, the winner, had a time of 14:49. The second place time was 15:16. How much faster was the winner than the second place finisher?

There were 113 different reptiles in the exhibit. There were 35 snakes. The rest of the reptiles were evenly divided into crocodilians, lizards, and turtles. How many lizards were in the exhibit?

Max has four quarters, five nickels, and one dime to buy chocolate ice cream. Write three different expressions that show the amount of money he has.

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.");
```


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);

What number is halfway
between 18 and 22?

$$6 \div 3 =$$

How many tens are in the
number 90?

F, H, H, _____, J, N, L,
Q, N, T

$$398 + 9 =$$

$$6 \times 8 + 4$$

Name: _____

True, Not True, False, and Not False

True True

Not True False

False False

Not False True

With "AND" both need to be true.

True and False False

True and True True

False and True False

False and False False

Not True _____

Not False _____

False _____

True _____

True and True _____

False and True _____

True and False _____

False and False _____

Can 340 be evenly divided by 10? Circle:
340 is NOT evenly divisible by 10
340 is evenly divisible by 10

Draw a shape that has between four and six lines. The shape should have at least one line of symmetry. Show the line of symmetry using a dotted line.

Choose the word that best completes the sentence.
Let's go (to/too) the Acme Chemistry Fair after school today!

9 km = _____ m

Add the correct end punctuation for this sentence.
I found Billy the Kid's secret hideout

$40 \div 5 =$

Name: _____

Find 2 equations hidden in each box. Good luck!

$9 - 2$

$3 - 2$

1

6

$8 - 0$

3

2

$3 - 1$

Write 2 equations: _____

27

9×3

0×5

1

4×9

2

6×8

6

21

7×2

1×9

12

1×7

45

3×5

1×6

63

4

4×6

5×7

Write 2 equations: _____

$6150 + 155$

$187 + 3720$

$871 + 7608$

7433

2584

$3091 + 235$

5504

9032

3326

$692 + 1589$

3907

2208

6122

$735 + 7757$

Write 2 equations: _____

Name: _____

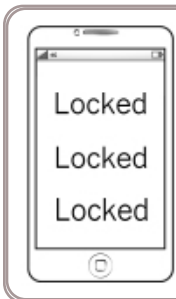
The ones place is the missing number from this pattern:

1, ____, 11, 16, 21

Write the sum of 4 and 1 in the thousands place.

The hundreds place is the value of a nickel and four pennies.

The tens place is 1.



Help! Your phone is locked. Use the clues above to unlock it. Good luck!

____, ____ ____
is the code to unlock

Double Check

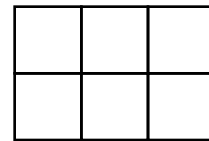
The sum of the numbers in your unlock key should be 21.
Is it? Show your work to double check that your unlock
key is correct.Fill in the blanks with
these numbers:**3, 8, 7**

$$\begin{array}{r} 1 \quad 5 \\ + \quad 6 \quad \square \\ \hline \square \quad \square \end{array}$$

Fill in the blanks with
these numbers:**6, 0, 6**

$$\begin{array}{r} 3 \quad 6 \\ + \quad \square \quad \square \\ \hline 9 \quad \square \end{array}$$

$$\begin{array}{r} 94 \\ - 26 \\ \hline \end{array}$$

Color in $\frac{1}{3}$.

$$11 + \square = 16$$

$$5 + \square = 8$$

$$15 - 5 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 97 \\ - 46 \\ \hline \end{array}$$

Circle the relative adverb.
I can't remember when I saw
you last.

Name: _____

True, Not True, False, and Not FalseTrue TrueNot True FalseFalse FalseNot False True**With "OR"
only ONE true is needed.**True or False TrueTrue or True TrueFalse or True TrueFalse or False False

Not True _____

Not False _____

True _____

False _____

False or False _____

True or True _____

False or True _____

True or False _____

$$\begin{array}{r} 46 \\ + 34 \\ \hline \end{array}$$

Circle the smallest number:

8,973,164
37,412,893,170
50,258,069
2,654

1 lb = 16 oz

26 lb = _____ oz

The principal of your school wants to buy forty-three books. Each book costs \$8.10. She wants to estimate how much it will cost. Show her how you would estimate the cost:

$$\begin{array}{r} 788 \\ - 153 \\ \hline \end{array}$$

$48 \div 12 =$

$8 \times 4 =$

Name: _____

8 hundreds + 7 tens + 12 ones =

- 875
- 932
- 882
- 8712

Circle the equation with the largest value.

- $2 + 1 \times 8$
- $2 + 3 \times 9$
- $4 + 4 \times 7$
- $4 + 3 \times 4$

$$55 : \underline{\quad} = 44 : 4$$

5

If you add 3 to an even number, the new number must be

- prime
- odd
- even

Which of the following is closest in value to 2093?

- 1,990
- 1,985
- 2,012
- 2,009

$$50 : 5 = 30 : \underline{\quad}$$

- 12
- 9
- 3
- 6

Which of the following numbers has the most factors?

- 11
- 19
- 10
- 13

When you add the remainders of $21 \div 4$ and $52 \div 10$, the sum is:

- 3
- 2
- 12
- 9
- 20

Circle the fractions

which equal $\frac{3}{4}$.

- $\frac{24}{34}$
- $\frac{15}{20}$
- $\frac{27}{38}$

$$60000 = 6000 \times \underline{\quad}$$

- 6000
- 10
- 60
- 1000

What is the sum of nine threes and three nines?

- 54
- 59
- 3939
- 9339

Amy has \$92. She gave 50% of her money to her sister. How much does she have left?

- \$34
- \$36
- \$46

Name: _____

Rose's car averages about thirty-four miles per gallon. How far would you estimate her car could travel on twelve gallons?

Justin and Jenna are playing bingo with their class. Their teacher put 40 numbers into a box and said that the box has 6 more odd numbers than even numbers. What is the ratio of the number of odd numbers to the number of even numbers in the box?

Sara and Max both drew pictures of robots. Max's robot is three times as tall as Sara's robot. If you stack the robots on top of each other, their height is 40 centimeters. How tall is each robot?

At the party store, April is looking at the premade goodie bags. They sell 5 goodie bags for \$2.43. She needs to buy 20 goodie bags. How much will that cost?

Name: _____

Mr. Davis has ants and chickens on his farm. The ants are his favorite! One day he was bored and counted all the legs. Between his insects and chickens he had a total of 38 legs. That's a lot of legs! How many ants does he have?

A number is greater than 5 and less than 18. This number has exactly 4 factors. The sum of its factors is 12. What is the number?

$$10 - 4 = \underline{\quad}$$

$$10 + -4 = \underline{\quad}$$

Rewrite $11 + -7$

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

$$14 + -5 = \underline{\quad}$$

$$14 - 5 = \underline{\quad}$$

Name: _____

How many millimeters are in two hundred meters?

- A) 20,000
- B) 2,000
- C) 20
- D) 200,000

Which fact belongs to the same family as $11 \times 9 = 99$?

- A) $11 \div 9 = 99$
- B) $99 + 11 = 110$
- C) $20 \times 3 = 60$
- D) $99 \div 11 = 9$

52 inches is

- A) less than 4 feet
- B) less than 1 yard
- C) more than 3 yards
- D) less than 5 feet

Which number comes between 6.43 and 6.67?

- A) 6.49
- B) 6.22
- C) 6.4
- D) 6.71

Another way to write 6×5 is

- A) $6 + 5$
- B) $6 + 6 + 6 + 6 + 6$
- C) $6 \times 6 \times 6 \times 6 \times 6$
- D) None of the above

What is the place value of the bold number in **196**,877?

- A) Thousands
- B) Hundred Thousands
- C) Ten|Thousands
- D) Millions

Name: _____

Write the reciprocal.
7

$$15 - \frac{1}{2} - \frac{3}{4} =$$

Reduce $\frac{112}{120}$ to its lowest terms.Reduce $\frac{28}{42}$ to its lowest terms.

$$5 + \frac{3}{4} - \frac{3}{8} =$$

Write the reciprocal.

$$\frac{5}{6}$$

Write the reciprocal.
15

$$11 - \frac{1}{2} + \frac{1}{4} =$$

$$49 - \frac{1}{2} =$$

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

$$\begin{array}{r} 2\frac{1}{2} \\ - \frac{3}{10} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{4} \\ + \frac{2}{6} \\ \hline \end{array}$$

Write the reciprocal.

$$\frac{5}{19}$$

$$5 + \frac{2}{5} + \frac{5}{6} =$$

$$13 - \frac{1}{2} - \frac{2}{5} =$$

Name: _____

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

$$(2 \times 10) \div 10 = 2$$

$$5 + (4 + 12) = 21$$

$$9 \times 11 + 12 = 111$$

$$9 \times 11 + 12 = 207$$

$$2 \times 2 + 10 = 24$$

$$2 \times 2 + 10 = 14$$

$$3 + 2 - 2 = 3$$

$$1 + 2 - 2 = 1$$

$$6 \div 6 + 10 \times 6 = 61$$

$$7 \times 2 - 8 + 6 = 12$$

$$9 \times 3 - 3 \div 1 = 24$$

$$9 + 5 + 3 \times 8 = 73$$

$$5 + 5 \times 10 - 6 = 25$$

$$8 + 9 + 1 \times 6 = 23$$

$$5 \times 4 \div 4 + 6 = 2$$

$$4 - 11 \div 7 + 4 = 3$$

$$7 + 7 + 7 \times 10 = 84$$

$$1 + 11 \times 6 - 1 = 66$$

Name: _____

**FUN
BREAK!**

Play a game online!

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

12, 14, 16, _____, 20,
22, 24, 26, 28

$$8 \div 1 + 12$$

Name the shape with eight
sides and eight angles.

$$3 \times 4 = \underline{\quad} = 2 \times \underline{\quad}$$

$$5 \times \underline{\quad} = \underline{\quad} = 3 \times 15$$

$$9 \times \underline{\quad} = 90 = \underline{\quad} \times 18$$

$$8 \times 7 = \underline{\quad} = 4 \times \underline{\quad}$$

$$4 \times \underline{\quad} = 24 = \underline{\quad} \times 12$$

(216), (36), (6), (1),

$$\underline{\quad}, \frac{1}{36}, \frac{1}{216}, \frac{1}{1296}$$

Ava 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?



It's NO PREP at edHelper.

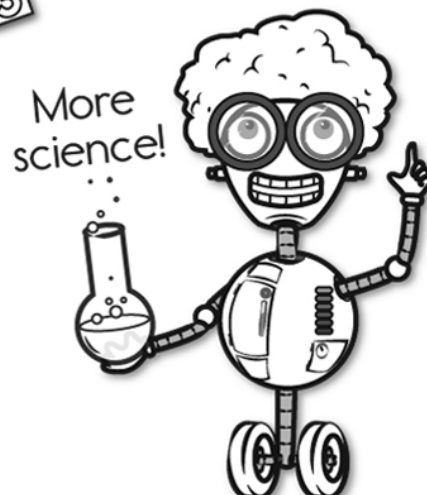
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