

# 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 38 |
|                                  | <input type="checkbox"/> page 25 | <input type="checkbox"/> page 39 |

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



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

# Play Math on your Computer

On your computer: [edHelper.com/math-games.htm](http://edHelper.com/math-games.htm)

Play 7 times and write your score.



Day You Played	Points at End
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

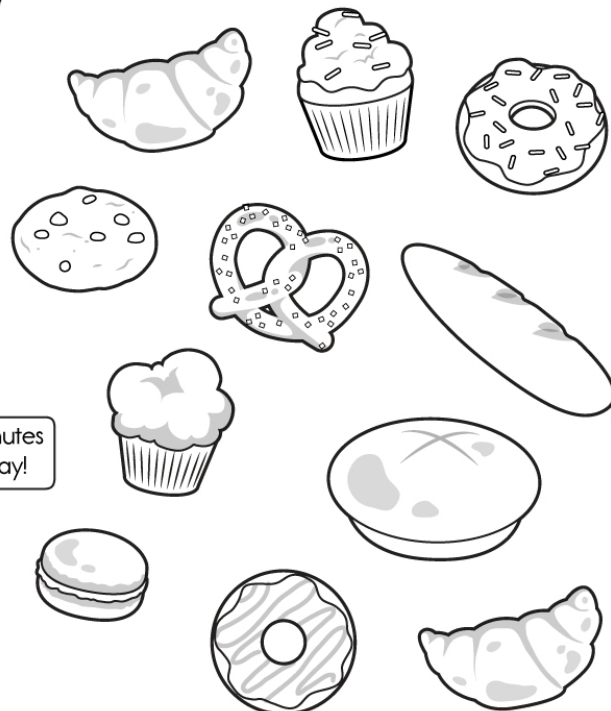
Your class code: \_\_\_\_\_

## Let's Play School

by edHelper



Color one each time you play:



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

Mrs. Davis sent an e-mail out to parents asking them if they could each send in 12 packs of pocket tissues. In her e-mail she said, "We have 182 days of school this year. In my experience, we go through an average of one-and-a-half packs of pocket tissues a day. I'd appreciate it if you could give 12 packs of pocket tissues to your child so that we will have plenty of tissues to go around."

There are 18 kids in the class. At the end of the week, 14 of the kids followed directions and brought 12 packs of tissues to class. Mrs. Davis picked up a case of pocket tissues, which has 72 packs, at the store.

Do you think the class will have enough tissues to last the entire year?

Show your work.

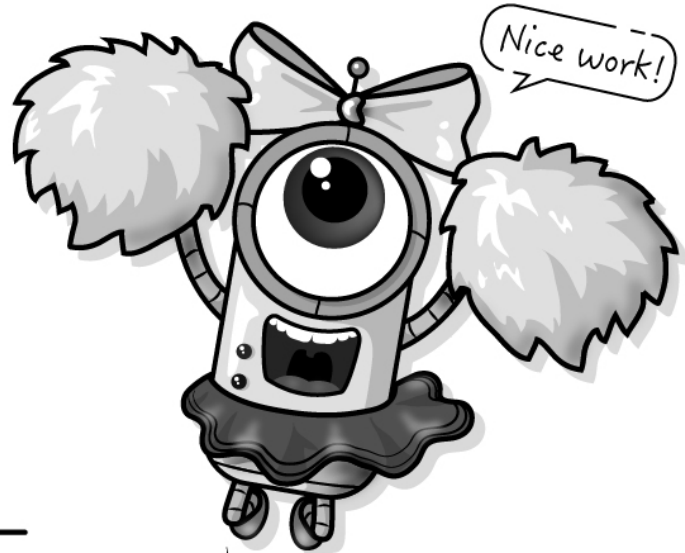
Name: \_\_\_\_\_

**FUN  
BREAK!**

# Play a game online!

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

\_\_\_\_\_



Write as a decimal.

$$10 \frac{3}{10}$$

Write as a decimal.

Nineteen and four tenths

Write as a decimal.

$$18 \frac{38}{1000}$$

In the parking lot there are 15 vehicles. There are 3 SUVs. What fraction of the vehicles are not SUVs?

The number 56 is more than the number 7 by how much?

How many tens are in the number 54,000?

Circle the relative adverb.  
where, to, from, then

Circle the relative adverb.  
Tell me why you think the quiz was so hard.

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

"Hannah," yelled her mom. "Clean your room."

Hannah did not clean her room often. She actually went to her room to clean it (or so she thought). When she opened her closet, it was a disaster. There were beads all over the place. One box was labeled "250 random cube beads." Another box was labeled "640, or so, cube beads - do not touch unless you are Hannah."

She decided to make a necklace for her mom. It only took her 2 minutes to make a necklace, so she decided to make a lot of them.

"These are so cool," she told her mom. "Each cube bead has a heart shape in four colors on each side of the cube."

"Are you sure?" interrupted Mom. "A cube has six sides not four. Just like a die has the numbers 1 to 6 on it."

"I'm sure," replied Hannah. "The other two sides are the holes so I can put the string through it!"

Hannah made sixteen necklaces. She used 32 cubes for each necklace.

How many hearts are there all together in the necklaces she made?

How many more necklaces could she make using the same number of cubes if she wants to use up all of her beads?

She's done making necklaces. How long did it take her to make all of those?

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

Max and Pam have the same amount of money. Max has 9 nickels and 7 dimes. If Pam has 4 dimes, then how many nickels does she have?

Justin needs to show the class his homework. He drew two rectangles of equal area. The first rectangle is 4 cm by 6 cm. The second rectangle has one side that is 3 cm, but Justin can't read his own handwriting for the other side! He needs to figure it out in his head while he is explaining to the class. What's the other side? Quick. Help him!

Nathan is bored, so he decides to start coloring the outside sidewalk. Would you believe every 15 minutes he goes through 11 pieces of chalk. That's a lot of chalk! After 3 hours his arms are so tired he quits. How much chalk did Nathan use?

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

**Are you busy?**Complete this page  
to skip a few pages.**Skip an additional 2 pages in this workbook  
if you finish this page!**

Instead of working on this book, here is a list of some things I plan on doing.

A couple of suggestions are listed. If you don't want to do these, just write 0 minutes!

Reading \_\_\_\_\_ minutes

Playing outside \_\_\_\_\_ minutes

I want extra time to go to bed early instead of doing homework! \_\_\_\_\_ minutes

Help with dinner \_\_\_\_\_ minutes

Write a story \_\_\_\_\_ minutes

Spending time with my \_\_\_\_\_ minutes

\_\_\_\_\_ minutes

\_\_\_\_\_ minutes

\_\_\_\_\_ minutes

\_\_\_\_\_ minutes

You don't need to fill in all of these lines unless you are THAT busy!

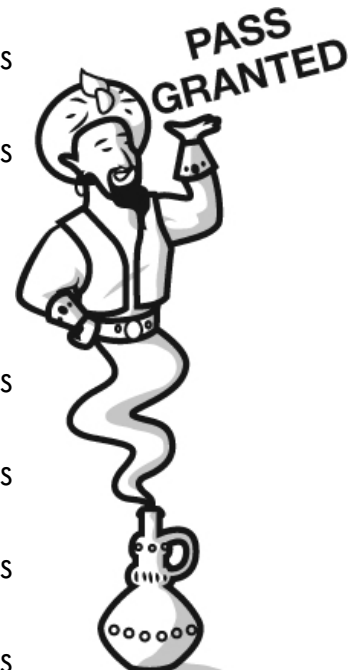
Last but not least, I also want to do something I don't usually do....

Maybe go up a slide backwards? \_\_\_\_\_ minutes

Meditate (say... what now?!?!?) \_\_\_\_\_ minutes

\_\_\_\_\_ minutes

\_\_\_\_\_ minutes



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

"It's simple," said Jack. "I purchased a container of 500 sprinkles, and there are 227 sprinkles left. So how many cookies did I make?"

All Hannah could do was stare at her brother until she finally had the courage to say, "8?"

"Nope," replied Jack.

"Not fair! You didn't tell me how many sprinkles go into each cookie," whined Hannah.

"Fine," said Jack. "I used a half-teaspoon of butter for each cookie, 7 chocolate chips in each cookie, and for each chocolate chip I used 3 sprinkles. I also put 2 raisins into each cookie."

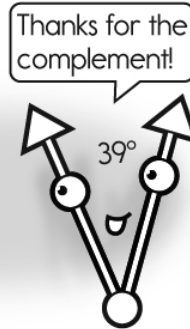
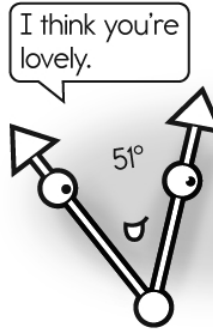
How many cookies did Jack make?

Show your work.



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

## Complementary and Supplementary Angles

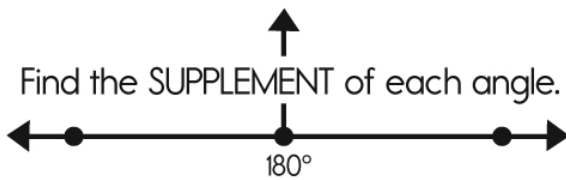


22° \_\_\_\_\_

10° \_\_\_\_\_

54° \_\_\_\_\_

71° \_\_\_\_\_



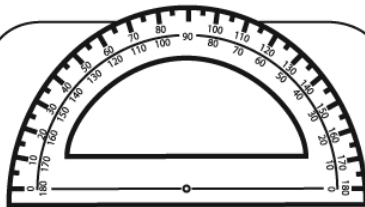
64° \_\_\_\_\_

102° \_\_\_\_\_

15° \_\_\_\_\_

175° \_\_\_\_\_

88° \_\_\_\_\_



Find something in the room that is at an angle. Draw it here.

estimate the angle

°

\_\_\_\_\_

supplementary angle

°

\_\_\_\_\_

complementary angle

°

\_\_\_\_\_

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

# CHALLENGE YOUR CLASSMATES!

(OR SIBLING OR PARENT)

Play against  
someone!

Go to:

[edhelper.com/math-games.htm](http://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.



S, M, P, K, M,  
\_\_\_\_\_, J, G, G, E

44, 60, 76, 92,  
\_\_\_\_\_, 124, 140

Ava has \$38. She wants to  
buy something that costs  
\$93. How much more does  
she need?

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

Add mentally the tens, then add the ones.

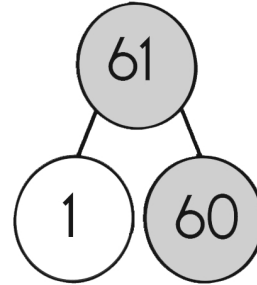
Example:

$$36 + 61 = ?$$

$$36 + 60 = \underline{96}$$

$$\underline{96} + \underline{1} = \underline{97}$$

$$\text{Means } 36 + 61 = \underline{97}.$$

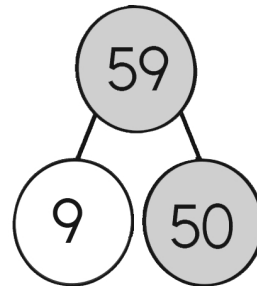


$$45 + 59 = ?$$

$$45 + 50 = \underline{\hspace{2cm}}$$

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

$$\text{Means } 45 + 59 = \underline{\hspace{2cm}}.$$

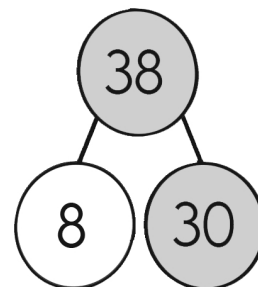


$$27 + 38 = ?$$

$$27 + 30 = \underline{\hspace{2cm}}$$

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

$$\text{Means } 27 + 38 = \underline{\hspace{2cm}}.$$

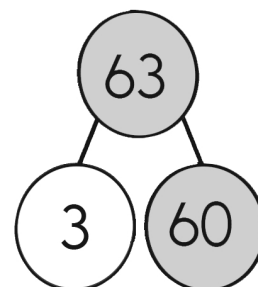


$$54 + 63 = ?$$

$$54 + 60 = \underline{\hspace{2cm}}$$

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

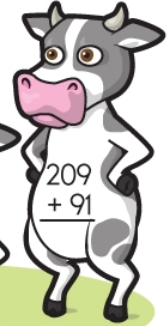
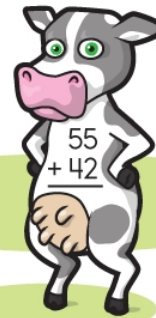
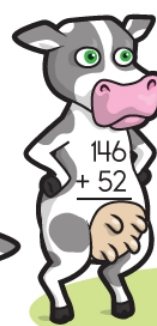
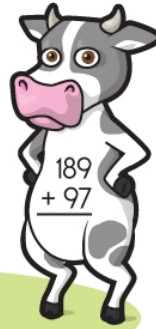
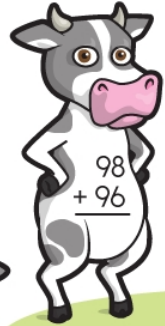
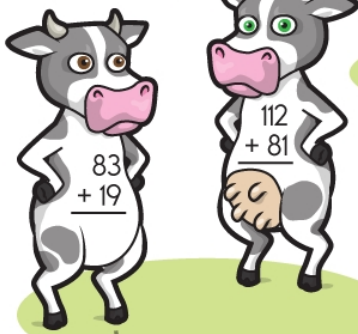
$$\text{Means } 54 + 63 = \underline{\hspace{2cm}}.$$



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

## ESTIMATION

Well, howdy partner! Today we're roundin' up the cattle. Help me get each cow into the correct pen using estimation.



Where do baby cows eat lunch?

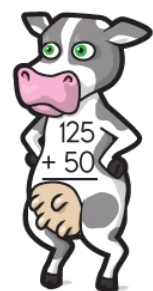
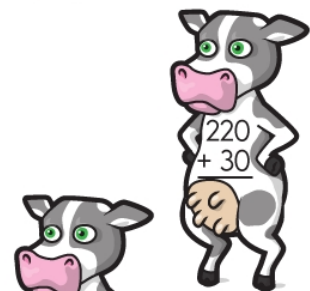
At the 2 1 6 4 - 3 8 3 7 5 1!

KEY:

- 1 - A
- 2 - C
- 3 - E
- 4 - F
- 5 - I
- 6 - L
- 7 - R
- 8 - T



Yee-haw! Now let's use **mental math** to get these lil' dogies back to their mamas.



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

Add mentally the tens, then subtract the ones.

Example:

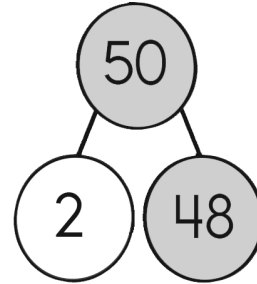


$$16 + 48 = ?$$

$$16 + 50 = \underline{66}$$

$$\underline{66} - \underline{2} = \underline{64}$$

$$\text{Means } 16 + 48 = \underline{64}$$

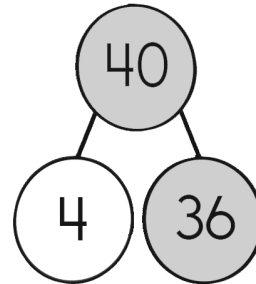


$$21 + 36 = ?$$

$$21 + 40 = \underline{\quad}$$

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

$$\text{Means } 21 + 36 = \underline{\quad}$$

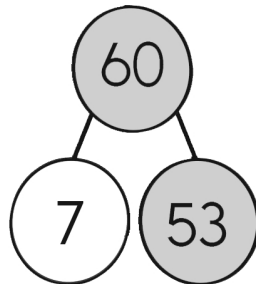


$$38 + 53 = ?$$

$$38 + 60 + \underline{\quad}$$

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

$$\text{Means } 38 + 53 = \underline{\quad}$$

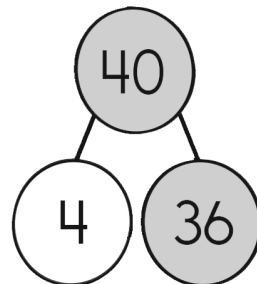


$$74 + 36 = ?$$

$$75 + 40 = \underline{\quad}$$

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

$$\text{Means } 74 + 36 = \underline{\quad}$$



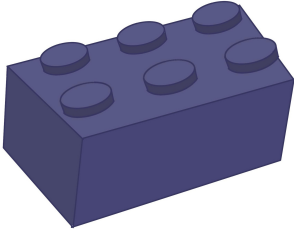
☐

I did page 13

☐I decided to skip this page  
edHelper

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

Alex built a block tower that was 894 millimeters tall. Rose then made the block tower 173 millimeters taller. Round the numbers to the nearest ten. About how tall is the tower now?



You decide how to estimate!

The city bake sale raised \$39,327.18 on Monday, \$38,273.19 on Tuesday, and \$18,877.08 on Wednesday. About how much did they raise?

A 5-digit number rounded to the nearest ten has the same value as when it is rounded to the nearest hundred. Can you come up with a number like this?

Eric and Anna are racing to see who can add these numbers. Eric is rounding each number to the nearest ten and then adding them. Anna is rounding each number to the nearest hundred and then adding them. The numbers are: 4,889, 3,235, and 3,452. What is the sum that Eric should get?

What is the sum that Anna should get?

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

Cookies	Number Sold	Price per Cookie
maple	11	\$2
oatmeal	15	\$1
chocolate	12	\$1

Amanda's class held a cookie sale.

How much did they make selling oatmeal cookies?

What was the best selling cookie?

Person	Amanda	Connor	Emily
<b>Number of Squishies Found</b>	15	8	90

At Amanda's birthday party they had a squishy scavenger hunt.

If you are wondering why Emily found so many, she found a big box of squishies! She has so many she wants to share some with Amanda and Connor so that everyone will have almost the same amount of squishies. How many should she give to Amanda?

How many should Emily give to Connor?

Person	Jenna	Jason	Maria	Gavin
<b>Number of Squishies Found</b>	7	10	14	3

At Jenna's birthday party they had a squishy scavenger hunt.

Who found the fewest squishies?

How many more squishies would he or she need to have found to win?

If 10 squishies were not found, how many squishies were originally hidden?

Cookies	Number Sold	Total Sales
sugar	15	\$15
oatmeal	6	\$12
cinnamon	19	\$38

Rose's class held a cookie sale.

If Jason bought one oatmeal cookie and two cinnamon cookies, how much did he spend?

If it cost \$5 to make the cookies, how much did they make from this bake sale?

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

Mr. Smith loves to give homework. "The more the better!" Mr. Smith always says to his students.

"I hope I get him next year," said Sally to April as they were walking to school. She had heard about the daily homework pass. "Did you hear that if you are the first to answer the question of the day on the board, you can skip homework for a week?"

"I know," said April. "He is my teacher this year. I hope you get him next year. Anyway, see you later after class."

When April walked into class, she saw Mr. Smith had already written the challenge:

"Would you believe in my family, my brother, my sister, and myself were all born in August? My older brother, John, was born in 1976. We were born 3 years apart. My older sister, Samantha, was born in 1973."

How old was Samantha when Mr. Smith was born?

The next day the board said:

"How old is Mr. Smith?"



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

**FUN  
BREAK!**

# Play a game online!

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

\_\_\_\_\_



$40 \div 8 =$

Write the number that is  
one ten more than 6,928.In the equation  $30 \times 446 = 13,380$ , which number is the  
product?How many total legs are on  
7 elephants?Jessica has 20 nickels.  
How much money is that?Sarah has 60 books. She  
organized them equally  
into 5 boxes. How many  
books in each box?

☐

I did page 17

☐I decided to skip this page  
edHelper**Name:** \_\_\_\_\_

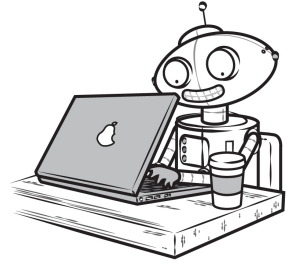
Mr. Smith loves writing problems, and for some reason, he loves talking about himself! He wrote his "skip homework for a week" problem on the board:

"Now that you know how old I am, let me tell you a story. When I was in the fourth grade, I read a story about a girl in the paper who rode her bike 600 miles during the summer. And she was only 12 years old. Wow! I couldn't even ride a mile in the fourth grade without getting tired. Okay, I'm joking. Once I did ride 3 miles, but that was because I got lost. Anyway, how old is that girl approximately today?"

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:

```
tens = 3  
ones = 1  
print ("My number is ",tens,ones)
```

The computer replied:

My number is 31

```
tens = 3  
ones = 7  
print ("My number is ",tens,ones)
```

\_\_\_\_ \_

```
tens = 7  
ones = 6  
print ("My number is ",tens,ones)
```

\_\_\_\_ \_

```
tens = 7  
ones = 7  
print ("My number is ",tens,ones)
```

\_\_\_\_ \_

```
ones = 3  
tens = 8  
hundreds = 2  
print ("My number is ",hundreds,tens,ones)
```

\_\_\_\_ \_

\_\_\_\_ \_

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

```
ones = 4
tens = 8
hundreds = 3
print ("My number is ",hundreds,tens,ones)
```

\_\_\_\_ \_

\_\_\_\_ \_

```
ones = 1
tens = 6
hundreds = 7
print ("My number is ",hundreds,tens,ones)
```

\_\_\_\_ \_

\_\_\_\_ \_

```
tens = 8
print (tens," tens is ",tens,'0')
```

8 tens is 80

```
tens = 6
print (tens," tens is ",tens,'0')
```

\_\_ \_ \_ \_

```
tens = 1
print (tens," tens is ",tens,'0')
```

\_\_ \_ \_ \_

```
tens = 26
print (tens," tens is ",tens,'0')
```

26 tens is 260

```
tens = 15
print (tens," tens is ",tens,'0')
```

\_\_ \_ \_ \_

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

Mary started collecting squishies ever since Squishy World opened at the mall. She gets \$5 per week in allowance and has been using almost all of her money to buy squishies.

Kevin always copies his sister. He gets an allowance of \$4 per week since he is younger. He decided to start buying a new series of ugly, smelly squishes that Squishy World sells.

Kevin separated his squishies into groups of 4. "Check out my little squishy families," he said to Mary.

"I see you have 2 squishies left over. Too bad they aren't in a family," she said with a smirk. But then Mary tried creating families of 4 with her squishies, and she had 2 squishes left over.

They decided to try families of 5. Mary had 3 left over, and Kevin had 1 left over.

"So close!" said Kevin. "Here Mary, you can have this one leftover."

Mary now has a total of 39 squishies. How many does Kevin have?

Show your work.

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:

☐

I did page 22

☐I decided to skip this page  
edHelper

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

The paper products company is replanting trees in a section that has been clear-cut. The company needs to know the area of the section. It is 829 yards long and 853 yards wide. What is its area?

Jacob is getting dressed for his job interview. He has a pair of black pants and a pair of blue pants. He has a white shirt and a gray shirt. Make a tree diagram to show the different combinations.

Anna can't find her phone, so she is using an old fashioned map to see how far away two cities are. She measured that they are a little more than 4 centimeters apart. If the scale says that 1 cm = 11 kilometers, then about what is the real distance?

A number less than 10 has some factors. Two of its factors are 2 and 6. Can you name at least one number that fits this?

☐

I did page 23

☐I decided to skip this page  
edHelper

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

Did you know that you don't always have to use the word **beautiful** in your writing? Try to use different words for an overused word like **beautiful**. 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 S           A P P E A L I N G
      E T P C D D E L I G H T F U L
      W R R O I           A S
      I I E M V           L T
      T K T E I G O R G E O U S L U
      C I T L N D A Z Z L I N G U N
      H N Y Y E P L E A S I N G R N
      I G M A G N I F I C E N T I I
      N B R E A T H T A K I N G N N
      G           E N T I C I N G G G
  
```

Write the words found.

STUNNING	DELIGHTFUL	
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

I can't wait to read it!

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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

**FUN  
BREAK!**

# Play a game online!

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

\_\_\_\_\_

What is the least common  
multiple of 6 and 8?What is the least common  
multiple of 10 and 6?What is the greatest  
common factor of 2 and  
10?Is 37 a composite or a  
prime number?

Is 851 closer to 800 or 900?

 $6 + 12 \times 7$ Do parallel lines intersect?  
\_\_\_\_\_

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

Wendy stacked six of her brother's blocks on top of each other. How many sides of the blocks could she see without moving any of them?

Early today seventeen geese flew over our house. This afternoon eight more geese flew over. Write an expression for the total number of geese that flew over our house.

There are some geese in the pond at the zoo. Three of them got out of the pond to eat. Now there are twelve geese in the pond. Write an equation to represent this.

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);
```

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

```
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.");
```

\_\_\_\_\_

\_\_\_\_\_

```
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);
```

\_\_\_\_\_

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

How many times  
do you need to spin?I needed to spin \_\_\_\_\_  
time(s) to finish the page.

Spin fidget spinner. Quick!

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

\_\_\_\_\_  
46 ones\_\_\_\_\_  
six tens\_\_\_\_\_  
nine tens\_\_\_\_\_  
79 tens\_\_\_\_\_  
eight thousands and nine  
hundreds\_\_\_\_\_  
three thousands and eight  
ones\_\_\_\_\_  
two tens\_\_\_\_\_  
97 ones\_\_\_\_\_  
23 hundreds\_\_\_\_\_  
81 tens\_\_\_\_\_  
33 tens\_\_\_\_\_  
four hundreds and four ones\_\_\_\_\_  
seven ten-thousands and  
five ones\_\_\_\_\_  
five ten-thousands and  
three hundreds\_\_\_\_\_  
16 ones

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

Find 2 equations hidden in each box. Good luck!

88      74      70       $89 + 1$   
69      82       $93 + 7$   
104       $59 + 2$   
8 + 71      90 + 2      5 + 99  
6 + 68      23 + 4      24  
63      68      5 + 13

Write 2 equations: \_\_\_\_\_

8 x 9      42      32      54      24  
1 x 9  
6  
3 x 9      5 x 4      72      9  
3 x 1      1 x 2      4 x 7      7 x 2  
49      7

Write 2 equations: \_\_\_\_\_

4      7  
6 - 5  
6      1  
4 - 1      8 - 4      5

Write 2 equations: \_\_\_\_\_

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 \_\_\_\_\_

True \_\_\_\_\_

Not True \_\_\_\_\_

Not False \_\_\_\_\_

False or False \_\_\_\_\_

True or False \_\_\_\_\_

True or True \_\_\_\_\_

False or True \_\_\_\_\_

What is the value  
of the BIG digit?

54,887,288  
\_\_\_\_\_

$$60 - 11 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 55 \\ - 16 \\ \hline \end{array}$$

The factors of 8 are 1 \_\_\_\_\_ 4 \_\_\_\_\_

What is the value of the 2 in  
25?  
\_\_\_\_\_

Write + or - in the circles.

$$2 \bigcirc 16 \bigcirc 9 = 5 \bigcirc 1 \bigcirc 5$$

$$7 \bigcirc 4 \bigcirc 16 = 6 \bigcirc 3 \bigcirc 16$$

If  $G = 9$ , then what does  $G + 2$  equal?  
\_\_\_\_\_

Write the unshaded part as a decimal.



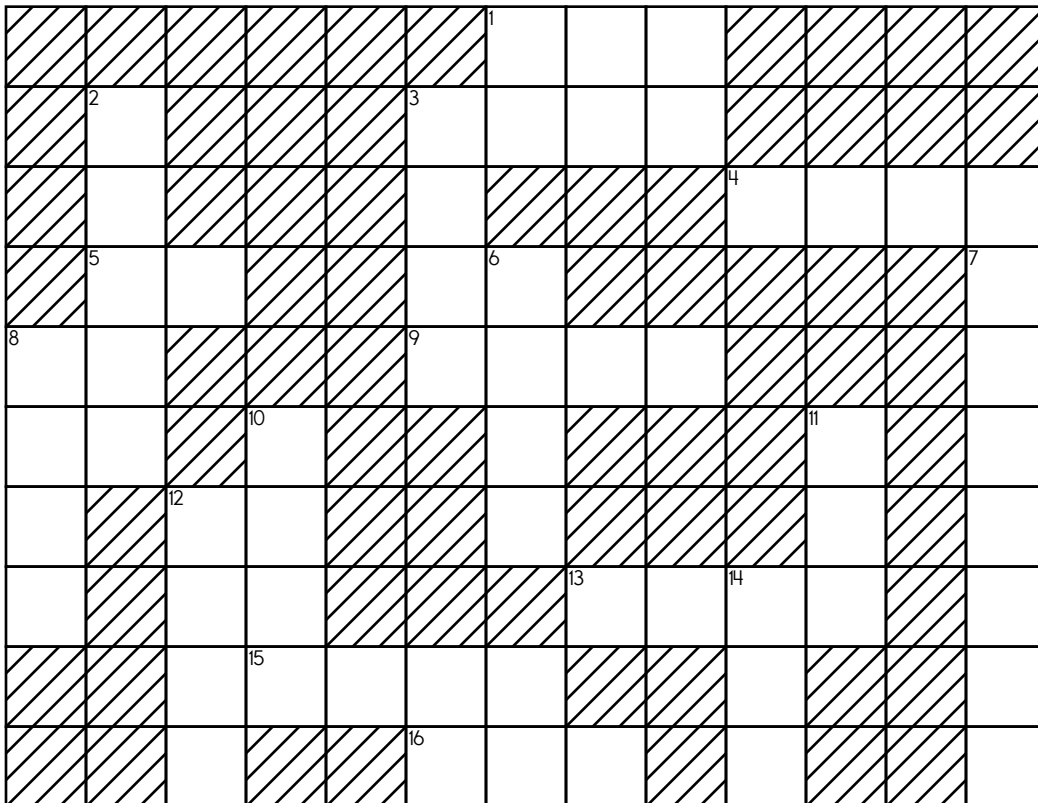
Name: \_\_\_\_\_

**ACROSS**

1. the ones in 3-Down + the tens in 14-Down + the hundreds in 16-Across
3. the hundreds in 6-Down + the ones in 11-Down + the tens in 12-Down + the thousands in 3-Down
4. the ones in 16-Across + the hundreds in 2-Down + the thousands in 6-Down
5.  $8 + 13$
9. the hundreds in 8-Down + the ones in 3-Down + the tens in 14-Down + the thousands in 13-Across
13. the ones in 3-Down + the tens in 5-Across + the hundreds in 14-Down + the thousands in 2-Down
15. the ones in 14-Down + the thousands in 8-Down + the hundreds in 11-Down + the tens in 13-Across
16. the hundreds in 14-Down + the tens in 5-Across + the ones in 3-Down

**DOWN**

2. **thirty-eight thousand, two hundred seventy-five**
3. seven thousand, three hundred sixty-eight
6. the thousands in 8-Down + the tens in 12-Down + the hundreds in 9-Across
7. two million, fifty-two thousand, five hundred forty-seven
8. the hundreds in 2-Down + the tens in 16-Across + the thousands in 13-Across
10. the hundreds in 2-Down + the tens in 13-Across + the ones in 16-Across + the thousands in 9-Across
11. the hundreds in 13-Across + the ones in 3-Down + the tens in 2-Down
12. the hundreds in 16-Across + the tens in 5-Across + the ones in 2-Down + the thousands in 8-Down
14. the ones in 3-Down + the tens in 5-Across + the hundreds in 2-Down





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

**True, Not True, False, and Not False**True TrueNot True FalseFalse FalseNot False True**With "AND" both need to be true.**True and False FalseTrue and True TrueFalse and True FalseFalse and False False

Not True \_\_\_\_\_

Not False \_\_\_\_\_

False \_\_\_\_\_

True \_\_\_\_\_

True and True \_\_\_\_\_

False and False \_\_\_\_\_

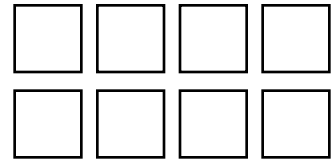
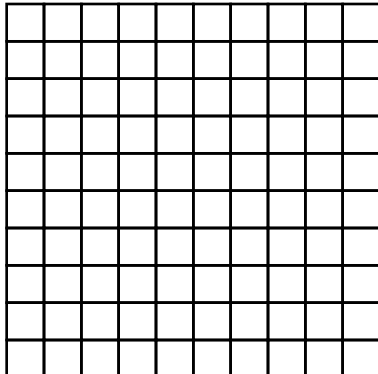
False and True \_\_\_\_\_

True and False \_\_\_\_\_

How many inches are in one foot?

\_\_\_\_\_

Jack is five years older than his best friend. His best friend is twice as old as Jack's brother. Jack's brother is nine. How old is Jack?

Color in  $\frac{1}{4}$ .Color  $\frac{45}{100}$ .

What is the range of these numbers?

29, 25, 18, 16, 28, 26, 29

\_\_\_\_\_

Round 126,897 to the nearest ten-thousand.

\_\_\_\_\_

$$\begin{array}{r} 63 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 62 \\ \hline \end{array}$$

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

The ones place is 3.

Write the sum of 8 and 1 in the hundreds place.

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

The tens place is the missing number from this pattern:

\_\_\_\_, 6, 11, 16, 21



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 22.  
Is it? Show your work to double check that your unlock key is correct.

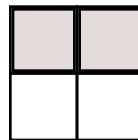
$$\begin{array}{r} 45 \\ + 23 \\ \hline \end{array}$$

$$66 + 1 = \underline{\quad}$$

$$12 + \boxed{\phantom{00}} = 20$$

$$15 + \boxed{\phantom{00}} = 23$$

What fraction of the box is shaded?



$$\frac{\boxed{\phantom{00}}}{2}$$



☐ munch

☐ munc

☐ mnch

☐ munh

$$\begin{array}{r} 5 \\ 1 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ - 10 \\ \hline \end{array}$$

Circle the correctly spelled words.

rok, rock  
spase, space  
several, several

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

I am a 3-digit number greater than 800. My ones digit and hundreds digit are the same.  
Write any number that fits this.

I am the largest whole number that will round to 370,000 when you round to the nearest ten-thousand.

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

**3**

**6**

**8**

**1**

Write the smallest 2-digit number that you can using only odd digits.

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

Use the numbers 8, 7, 9, and 6 to complete each problem. You may not reuse any numbers until the next problem, so don't even try! Hint: The first two blanks are for the number 86.

$$\underline{\quad} \underline{\quad} + \underline{\quad} \underline{\quad} = 183$$

$$\underline{\quad} + \underline{\quad} \underline{\quad} + \underline{\quad} = 93$$

$$\underline{\quad} + \underline{\quad} \underline{\quad} - \underline{\quad} = 90$$

$$\underline{\quad} \underline{\quad} + 18 = \underline{\quad} \underline{\quad}$$

Jenna is buying candy mixes for goodie bags. Each fun mix packet weighs 4 ounces. She purchased 6 pounds. How many packets did she buy?

(Hint: 1 pound = 16 ounces)

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

Five years ago Amy was 6 years old. How old will she be in 4 years?

- 15
- 9
- 22

What is the smallest prime number greater than 44?

- 37
- 46
- 47
- 49

How many whole numbers are less than 25?

- 27
- 28
- 26
- 25

What number is the largest whole number that is less than 183 and is a multiple of 8?

- 719
- 176
- 182
- 872

What number is 8 more than the smallest whole number more than 104?

- 105
- 105.8
- 113.8
- 104.52
- 113

What number must be multiplied by 4 to get a product of 56?

- 16
- 18
- 14

The answer is one hundred eighty-seven. What is the question?

- $111 \times 100$
- $17 \times 11$
- $1000 \times 11$

If today is Thursday, then what day was it 21 days ago?

- Wednesday
- Friday
- Thursday

The answer is seven hundred eighty. What is the question?

- $700 \times 1$
- $74 \times 1$
- $10 \times 78$

Sara and Max have the same amount of money. Sara has 5 quarters. What does Max have?

- 10 dimes + 3 nickels
- 9 dimes + 2 nickels
- 11 dimes + 3 nickels

What number is the greatest whole number less than 130?

- 131
- 129.6
- 130.27
- 129.4
- 129

$20 + 20 + 20 + 20 + 20 =$   
 $20 \times \underline{\hspace{1cm}}$

- 6
- 4
- 7
- 5

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

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

$$(9 + 9) - 4 = 14$$

$$2 + (1 + 1) = 4$$

$$8 - 3 + 2 = 7$$

$$8 - 3 + 2 = 3$$

$$9 - 1 + 3 = 5$$

$$9 - 1 + 3 = 11$$

$$7 + 5 + 2 = 14$$

$$7 + 12 + 1 = 20$$

$$12 - 7 + 4 = 1$$

$$11 - 5 + 9 = 15$$

$$8 - 1 + 7 = 14$$

$$2 + 8 + 12 = 22$$

$$12 + 3 - 6 + 4 = 5$$

$$8 - 7 + 5 - 6 = 0$$

$$12 + 12 - 6 + 11 = 29$$

$$3 + 11 - 7 + 1 = 8$$

$$9 + 7 - 1 + 9 = 24$$

$$1 + 1 + 12 + 2 = 16$$

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

$0.3 - 0.3 =$

- A) 4
- B) 0
- C) 7
- D) None of the above

$2040 + 2,126 =$

- A) 4,146
- B) 4,166
- C) 8,186
- D) 4,360

Estimate.  $22 + 97 + 29 + 97 + 13 =$

- A) 260
- B) 960
- C) 160
- D) 170

How many pints in 7 quarts?

- A) 14 pints
- B) 126 pints
- C) 4 pints
- D) 154 pints

Which of the following numbers is between 3.2 and 3.02?

- A) 3.52
- B) 2.18
- C) 3.14
- D) 3.82

What does the \_\_\_\_\_ stand for in the following equation?

$28 \text{ _____ } 7 = 4$

- A) -
- B) x
- C) +
- D) ÷

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

**FUN  
BREAK!**

# Play a game online!

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

\_\_\_\_\_

How many total legs are on  
4 dogs and 2 ants?What number is halfway  
between 0 and 14?Name the shape with  
seven sides and seven  
angles.

$11 + 10 + 6$

H, \_\_\_\_\_, I, N, J, Q,  
K, T, L, W

$3 + 5 + 3$





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$\times$   
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