

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: _____

$7 \overline{) 28}$

$7 \overline{) 56}$

$6 \overline{) 18}$

$6 \overline{) 60}$

$6 \overline{) 66}$

$12 \overline{) 36}$

$12 \overline{) 84}$

$10 \overline{) 90}$

$6 \overline{) 36}$

$3 \overline{) 9}$

$12 \overline{) 24}$

$10 \overline{) 30}$



$\underline{\quad} - 2 = 91$

$58 - \underline{\quad} = 56$

$\underline{\quad} - 5 = 72$

$40 - \underline{\quad} = 35$

$\underline{\quad} - 4 = 9$

$\underline{\quad} - 7 = 65$

$43 - \underline{\quad} = 39$

$63 - \underline{\quad} = 57$

$80 - \underline{\quad} = 73$

$\underline{\quad} - 9 = 2$

$\underline{\quad} - 3 = 14$

$10 - \underline{\quad} = 2$

$$\begin{array}{r} 73 \\ - \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ - \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ - \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ - \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ - \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ - \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ - \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ - \quad 7 \\ \hline \end{array}$$

Name: _____

$$\begin{array}{r} 35 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ - 8 \\ \hline \end{array}$$

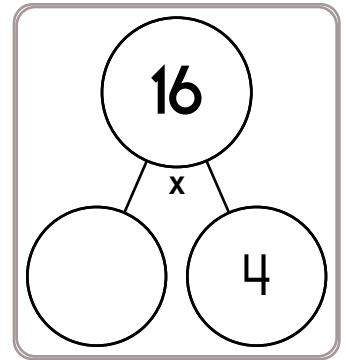
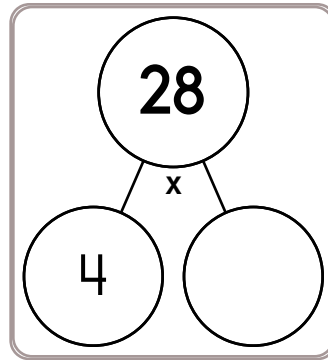
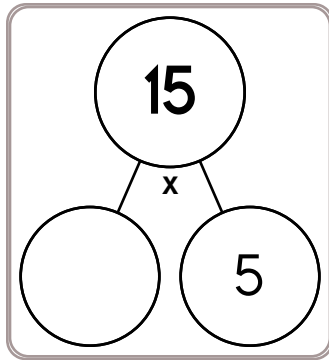
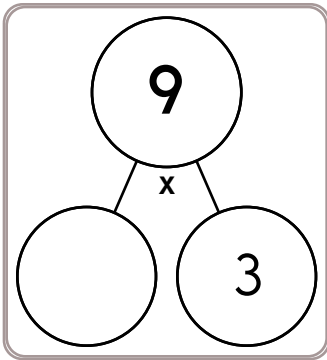
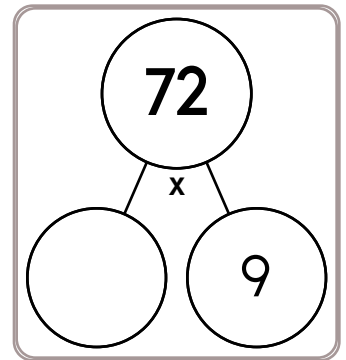
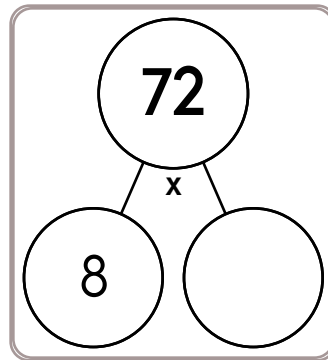
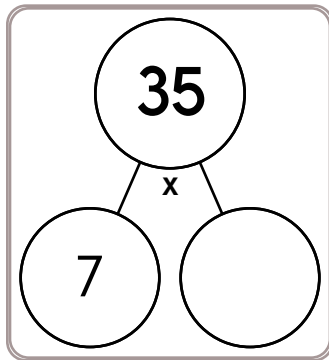
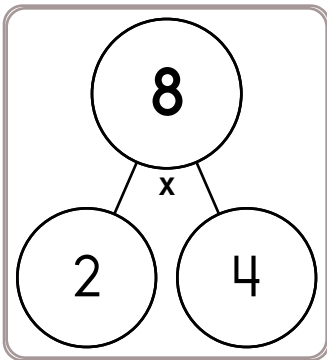
$$\begin{array}{r} 55 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 9 \\ \hline \end{array}$$



$15 \div 3 =$

$18 \div 3 =$

$63 \div 9 =$

$40 \div 8 =$

$32 \div 4 =$

$12 \div 4 =$

$49 \div 7 =$

$42 \div 7 =$

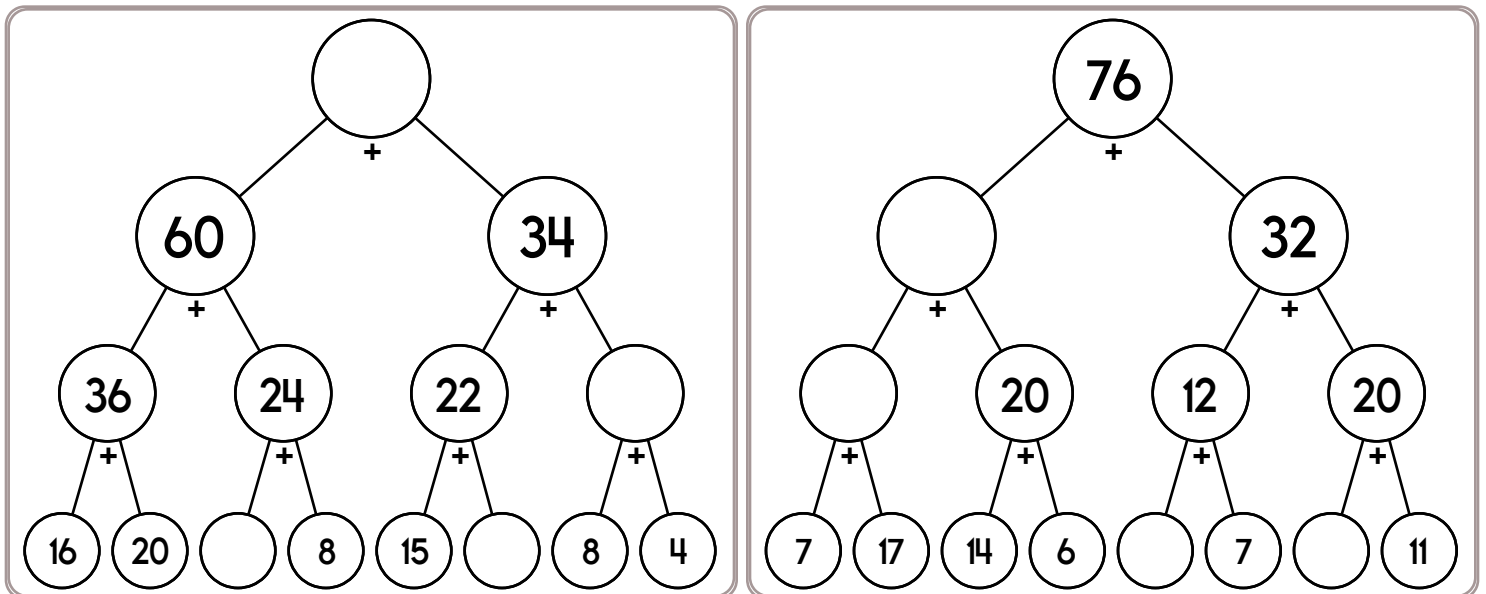
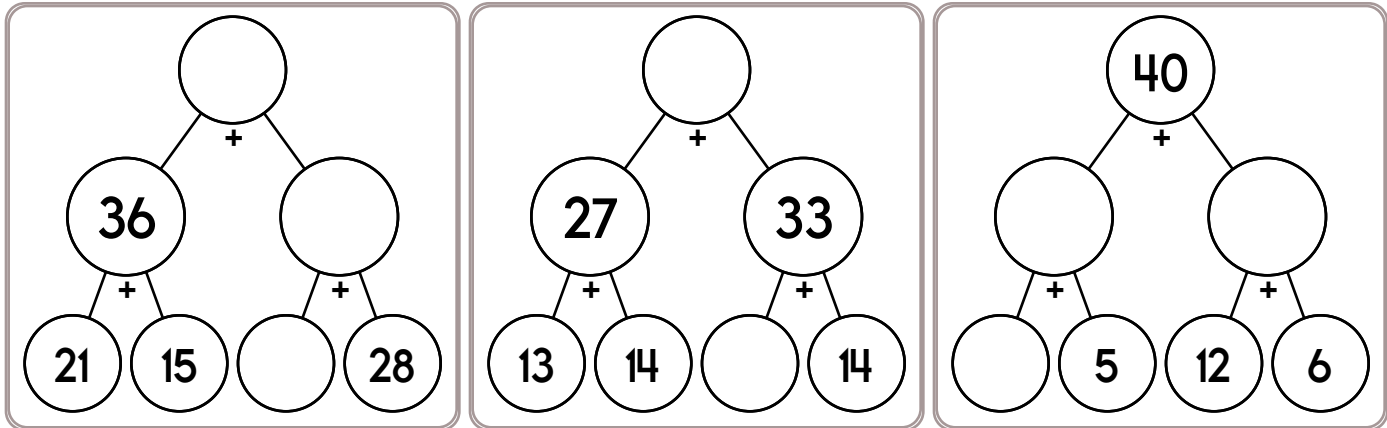
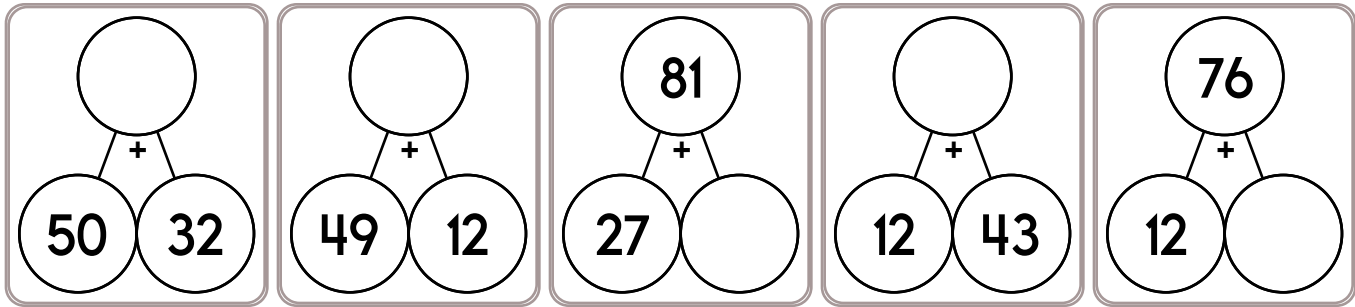
$48 \div 6 =$

$12 \div 6 =$

$24 \div 4 =$

$72 \div 9 =$

Name: _____



$$\frac{5}{7} \times \frac{2}{5}$$

Circle the least amount:

44%

0.29

$$\frac{6}{25}$$

65, 80, 95, 110, 125, 140,
155, _____, 185

word root **cor** can mean **heart****courageous, concord**

Name: _____

$$\frac{64}{N} = 8$$

$$6y = 48$$

$$\frac{N}{29} = 26$$

How many meters are there in 26 kilometers?

What is the area of a rectangle with sides 2 cm and 9 cm?

G, K, _____, L, I, M,
J, N, K, O

On a number line, what is the number that is 8 to the left of 2?

$$17 + -14 = \underline{\hspace{2cm}}$$

$$17 - 14 = \underline{\hspace{2cm}}$$

$$4 - 3 - 2 =$$

$$0.7 (0.3 (0.7 \times 3)) =$$

$$|-9| - x = 1$$

$$x =$$

$$9y - 23.3 = 26.2$$

$$y =$$

In what quadrant would you find the point (-9, 6)?

$$\frac{3}{4} \div \frac{7}{8} =$$

$$5 \times 5 = Z^y$$

What is the value of Z and y?

Name: _____

Find the difference
between 17.7 and 3.6.

$$\begin{array}{r} 5.952 \\ +45.9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.85 \\ -0.746 \\ \hline \end{array}$$

The perimeter of a
rectangle is 16 cm. The
longer side is 5 cm. How
long is the shorter side?

It was 4 degrees above
zero in the morning. By
afternoon the temperature
rose 24 degrees. How
warm was it?

Round the decimal 0.355 to
the nearest hundredth.

Write the reciprocal.

$$\frac{5}{14}$$

Write the reciprocal.

$$\frac{22}{3}$$

Write the reciprocal.

$$\frac{21}{1}$$

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

If $f = 6$ and $t = -15$ then
what is $11f - 9t - 3t = ?$

Circle the percentage that
is closest to 25 out of 74:

36%

5%

36%

Change $\frac{9}{10}$ to a
decimal.

$$6 \overline{)48.6}$$

Change $\frac{3}{8}$ to a
decimal.

Name: _____

Draw a line to match each problem with the same answer.

98% of 150 ● ●

57% of 200

69% of 200 ● ●

58% of 200

84% of 175 ● ●

100% of 166

68% of 125 ● ●

92% of 150

80% of 80 ● ●

32% of 200

80% of 145 ● ●

85% of 100

75% of 152 ● ●

83% of 200

100% of 25 ● ●

25% of 100

Sketch a right angle named $\angle ABC$.What kind of angle has a measure of between 90° and 180° ?Sketch an obtuse angle named $\angle DEF$.

$$0.8 (0.9 (0.8 \times 5)) =$$

Simplify.

$$\frac{14}{35} =$$

$$3 \times (72 \div 8) - 12 \div 3 =$$

$$\frac{7}{12} \div \frac{1}{6} =$$

$$|-15| - y = 7$$

$$y =$$

$$0.2 (0.6 (0.2 + 6)) =$$

$$12 \times 7 = \underline{\hspace{2cm}}$$

$$17 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

$$874 - 227 = \underline{\hspace{2cm}}$$

Name: _____

It snowed yesterday in London, New York, Montreal, and Cincinnati. Each city had a different amount of snow accumulation. Figure out how much it snowed in each city.

Assume 1 inch = 2.54 centimeters.

(numbers in clues are rounded to the nearest hundredth)

1. Cincinnati and New York had a total accumulation of sixty-eight and fifty-eight hundredths centimeters.
2. London had two times more snow than Montreal.
3. New York and Montreal had a total accumulation of twelve and ninety-seven hundredths inches.
4. New York and London had a total accumulation of thirty-seven and ninety-four hundredths centimeters.

It snowed _____ in London.

It snowed _____ in New York.

It snowed _____ in Montreal.

It snowed _____ in Cincinnati.

$$\begin{array}{r} 409 \\ + 339 \\ \hline \end{array}$$

$$10 \div 5 = \underline{\hspace{2cm}}$$

In the number 74,863,116,436, the digit 8 is in what place?

Megan rolls two dice. What is the chance of her rolling a 5 on one die and a 5 on the other die?

Amy rolls a die. What is the chance of her rolling a 6?

What is the largest possible sum of a two-digit number and a three-digit number? Show the two numbers.

word root **inter** can mean **between** **interstate, international**

Name: _____

Find 2 equations hidden in each box. Good luck!

13824

7632 + 6192

7409 + 9404

9596

6519 + 6732

13251

7367

6817 + 4545

12779

12717

6576

Write 2 equations: _____

6

1 - 0

5 - 1

5 - 2

3

0

7

1

Write 2 equations: _____

7 x 2

0 x 8

8 x 8

6

8 x 4

3 x 1

5

2 x 9

25

2

1 x 7

8 x 2

12

4

8

40

0

Write 2 equations: _____

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 _____

True _____

Not False _____

False _____

False or True _____

True or True _____

False or False _____

True or False _____

Rewrite these in increasing order of length:

27 km, 3 mm, 308 m

How many kilograms are in 5,000 grams?

_____ kilograms

$24 \div 6 =$

$5,987 - 3,994 =$ _____

Circle the smallest number:

7,261

930,485,046

17,892,351

76,408

A bike originally priced at \$110 is marked down by 30%. What is the sale price?

$54 \div 9 =$ _____

$$\begin{array}{r} 35 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 11 \\ \hline \end{array}$$

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: _____

True, Not True, False, and Not FalseTrue 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

False _____

Not True _____

True _____

Not False _____

True and True _____

False and False _____

True and False _____

False and True _____

Write the numbers 40 to 60
on a sheet of paper.
How many of these numbers
are divisible by 6?

$$12 \times 9 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 965 \\ - 137 \\ \hline \end{array}$$

You have four digits to use in
an addition problem: 5, 4, 9,
and 3. Make up a problem
where you have two 2-digit
numbers. What is the largest
sum you can make?

$$5 \times 2 = \underline{\hspace{2cm}}$$

$$1 \text{ kg} = 1,000 \text{ g}$$

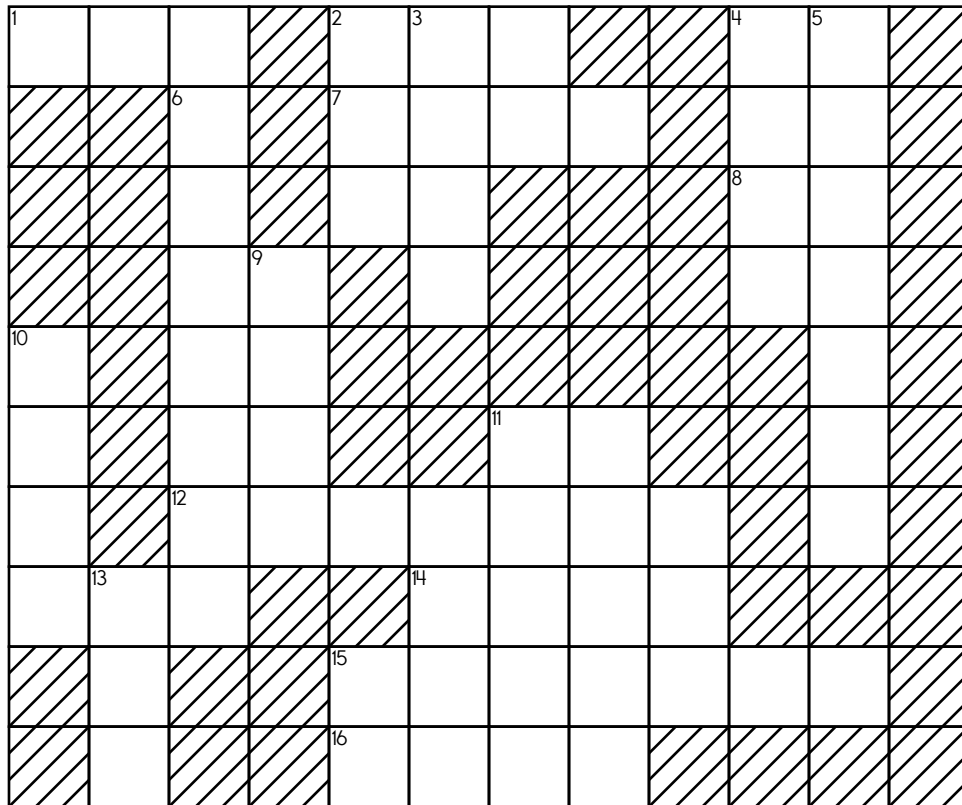
$$19 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

$$8 \times 7 = \underline{\hspace{2cm}}$$

Name: _____

ACROSS**DOWN**

1. the tens in 16-Across + the hundreds in 3-Down + the ones in 11-Across
 2. the tens in 8-Across + the ones in 11-Across + the hundreds in 9-Down
 7. the tens in 9-Down + the hundreds in 10-Down + the ones in 11-Across + the thousands in 4-Down
 8. $7 + 15$
 11. $9 + 18$
 12. **three million, nine hundred eighty-eight thousand, nine hundred ten**
 14. the thousands in 4-Down + the hundreds in 13-Down + the ones in 8-Across + the tens in 9-Down
 15. five million, three hundred one thousand, four hundred fifty-one
 16. the ones in 8-Across + the tens in 4-Down + the hundreds in 2-Down + the thousands in 9-Down
2. the tens in 8-Across + the ones in 11-Across + the hundreds in 4-Down
 3. the thousands in 16-Across + the tens in 9-Down + the hundreds in 10-Down
 4. the thousands in 9-Down + the ones in 11-Across + the tens in 8-Across + the hundreds in 2-Across
 5. four million, twenty-four thousand, three hundred sixty-five
 6. four million, one hundred sixty-eight thousand, five hundred thirty-five
 9. two thousand, four hundred seventy-nine
 10. the tens in 8-Across + the ones in 9-Down + the hundreds in 2-Across + the thousands in 4-Down
 13. the hundreds in 10-Down + the tens in 4-Down + the ones in 11-Across



Name: _____

The thousands place is the missing number from this pattern:

____, 9, 15, 21, 27, 33

Write the sum of 2 and 2 in the ones place.

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

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



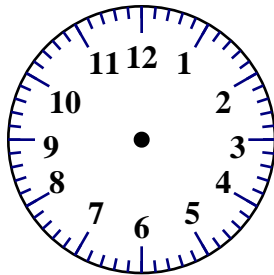
Help! Your phone is locked. Use the clues above to unlock it. Good luck!

____, ____ ____
is the code to unlock

Double Check

The sum of the numbers in your unlock key should be 19.
Is it? Show your work to double check that your unlock
key is correct.

11:18



$$\begin{array}{r} 36 \\ + 32 \\ \hline \end{array}$$

Which is longer: one foot or
eight inches?

$$\begin{array}{r} 47 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ + 81 \\ \hline \end{array}$$

$9 - 1 = \boxed{}$

$2 + 3 = \boxed{}$

$15 - 8 = \boxed{}$

$1 + 3 = \boxed{}$

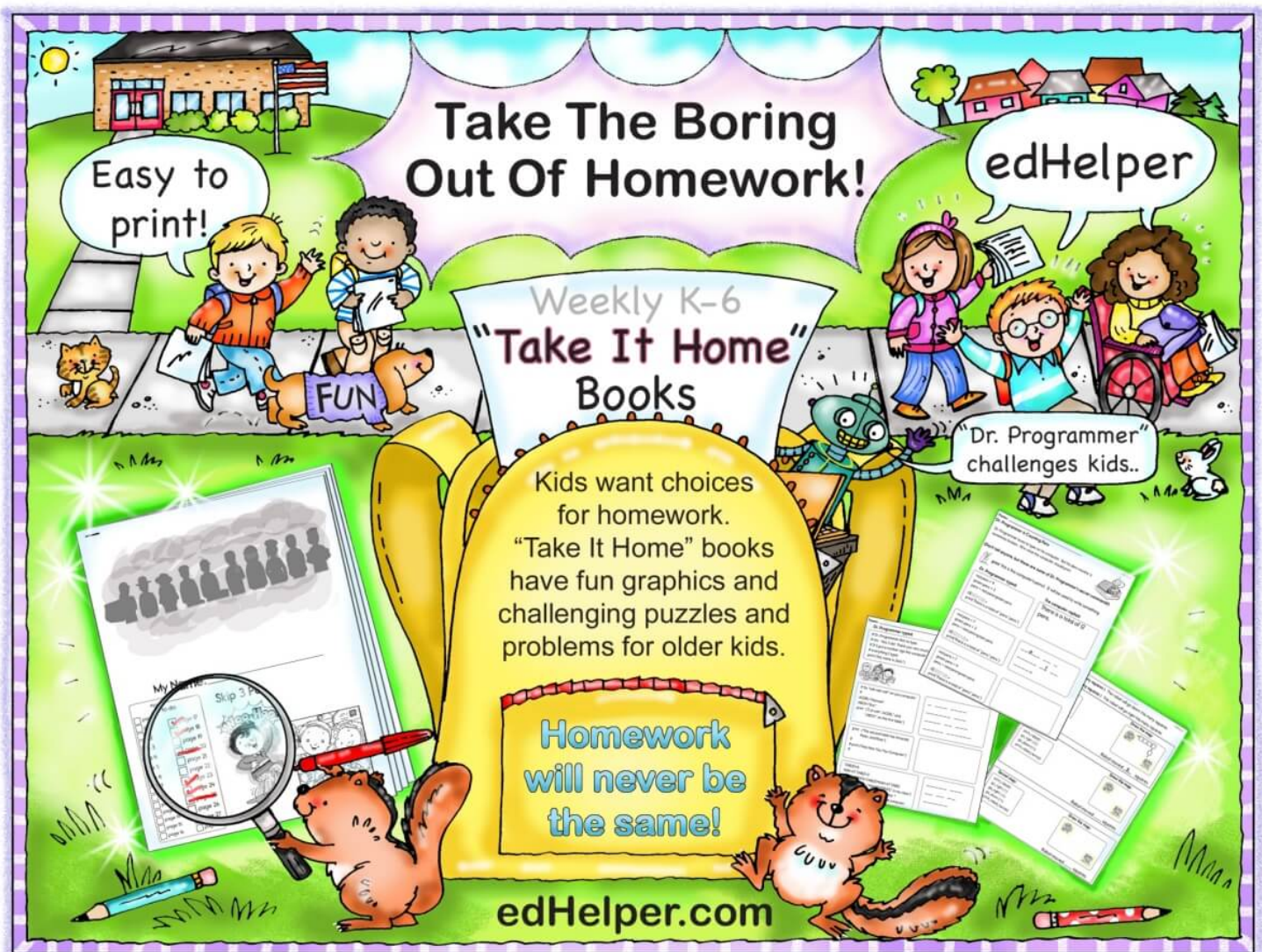
$6 + 5 = \boxed{}$

$10 - 3 = \boxed{}$

$9 - 5 = \boxed{}$










$9 + 4 = \boxed{}$





Name: _____

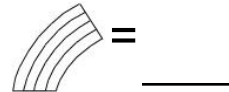
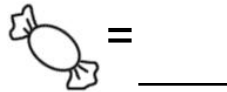
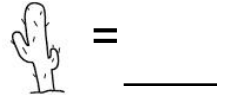
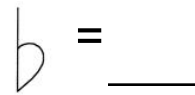
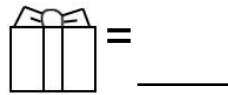
Puzzle:

	b	b	6	864
6	b		b	864
	b			360
				729
972	192	540	1,944	X

Work Area:

			6	864
6				864
				360
				729
972	192	540	1,944	X

The product for each column and row is given. Blanks use numbers 2 to 9 only.



Write the ratio as a fraction in lowest terms.
28 dogs to 11 cats

Change to a decimal.
4%

Change to a percent.
0.7

$$12m - 9.9 = 62.1$$

m =

$$1 \times 66 \div 11$$

$$5 + 1 + (5 - 1) - 6$$

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!

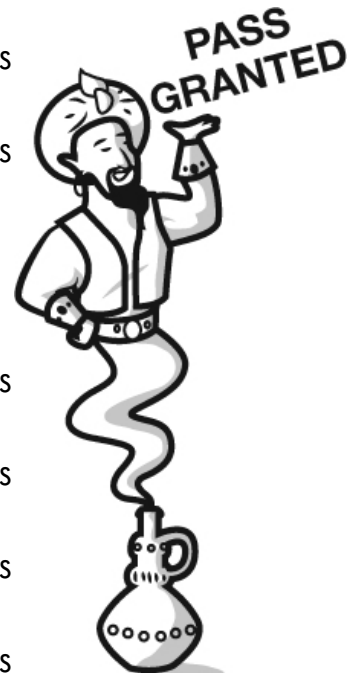
Last but not least, I also want to do something I don't usually do....

Maybe go up a slide backwards? _____ minutes

Meditate (say... what now?!?!?) _____ minutes

_____ minutes

_____ minutes



Name: _____

"I can quickly divide a three-digit number by a two-digit number," Amy tells Robert.

"Yeah, sure," replies Robert. "Then what is 272 divided by 16?"

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

Fill in the missing numbers.

$$0.02494 = 249.4 \div \underline{\hspace{2cm}}$$

$$24.94 = 249.4 \div \underline{\hspace{2cm}}$$

$$0.2494 = 249.4 \div \underline{\hspace{2cm}}$$

The Zippy Zoo is special.

"Why?" asks Sally.

"Just look!" yells her brother.

It is obviously special because all they have are zebras. A total of 36 of them! The cool part is that 2 out of every 6 zebras at Zippy Zoo are not real zebras. They are robots.

"Wow," says Sally. "How many robot zebras are there?"

Name: _____

$$\frac{3}{6}$$

$$\frac{3}{4}$$

$$\frac{4}{5}$$

$$\frac{4}{8}$$

$$\frac{1}{2}$$

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

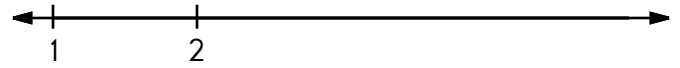
Name two of the above numbers that have a difference of $\frac{7}{15}$.

Erin went to the mall. Weird! A pair of green sneakers costs \$19.00 more than a pair of red sneakers. She bought both. Together, she paid \$235.00. When she got home, she decided to give the red sneakers to her mom. Luckily, her mom paid her back the cost of the red sneakers. How much did she get from her mom?

Name: _____

Emma is trying to figure out how many different remainders she can get when she divides by 5. She started dividing 71 by 5, then 72 by 5, and so on. Show her how many different remainders can be made.

What would happen if you divide larger numbers like 710 by 5? Can you get different remainders?



- Show where 5 should go.
- Show where $3\frac{1}{2}$ should go.
- Show where $4\frac{1}{3}$ should go.

Mary put all her money in a safe. She also wanted to keep a record of the money in the safe without writing the actual amount. So she wrote $x + 1796 = 2166$. Now her little brother will never know the true amount!

Say you want to copy Mary. You have \$603 saved, but you don't want anyone to know. Make up an equation so that no one (but you and other math geniuses) will know.

Sara and Amy want to play Move Fast, their favorite board game. All you do is spin twice, take the sum of your two spins, and move. But if you get the same sum two times in a row, you go to the spot on the board labeled Thunderstorm. The spinner has the numbers 4, 8, 12, and 14 on it. How many different sums are possible?

Sara got a sum of 26 on her first move. What is the chance that she will go to Thunderstorm on her second move?

Name: _____

$$1 + 10 + 100 =$$

11,100

123

111

3

The answer is three thousand, three hundred. What is the question?

$$35 \times 110$$

$$320 \times 3110$$

$$110 \times 30$$

The answer is four hundred ninety. What is the question?

$$700 \times 77$$

$$700 \times 70$$

$$7 \times 70$$

$$30 : 3 = 50 : \underline{\hspace{1cm}}$$

5

9

7

8

Which of the following is closest in value to 4077?

4,189

3,990

4,192

3,977

15 hundreds + 5 tens + 8 ones =

1559

1557

1558

Which of the following is divisible by 3, 4, 5, and 6?

23,463

1,440

12,163

19,205

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

6

2

13

4

7

Which ratio equals 138:24?

3:20

11:5

12:5

23:4

Half the sum of two numbers is 37. One of the numbers is 25. What is the other number?

32

51

31

49

Which is the same value as the "1" in 21,674?

$$10^5$$

$$10^2$$

$$10^1$$

$$10^3$$

20 and 30 have the same greatest common factor as 70 and which of the following numbers?

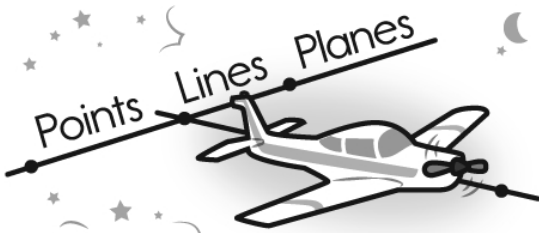
59

60

62

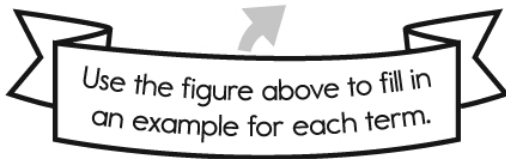
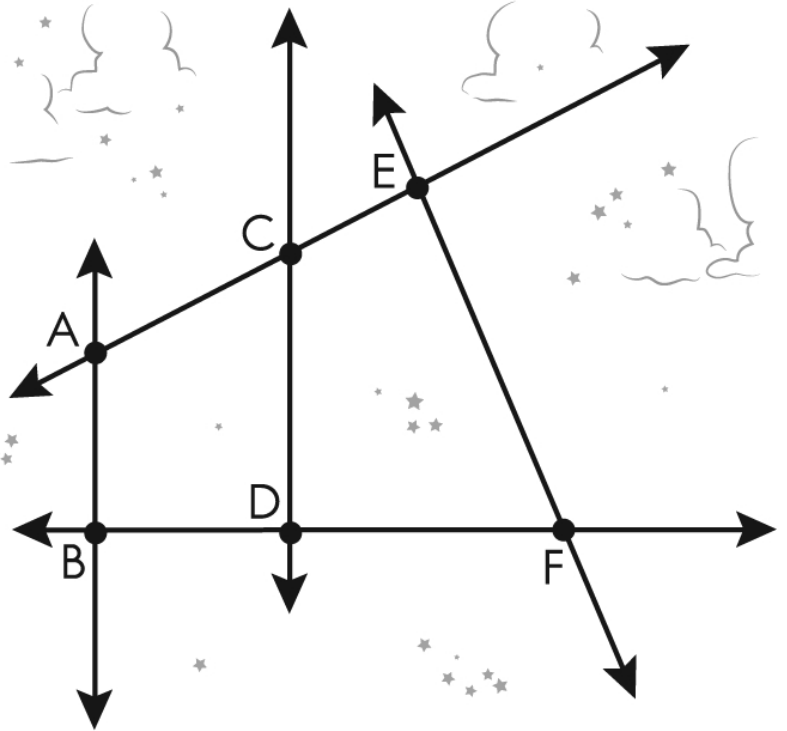
55

Name: _____



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

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



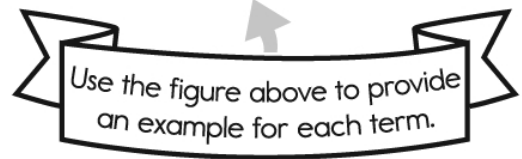
POINT: •

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

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

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

PLANE:



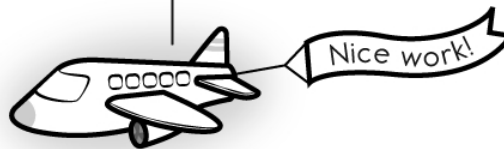
LINE:

RAY:

POINT:

PLANE:

LINE SEGMENT:

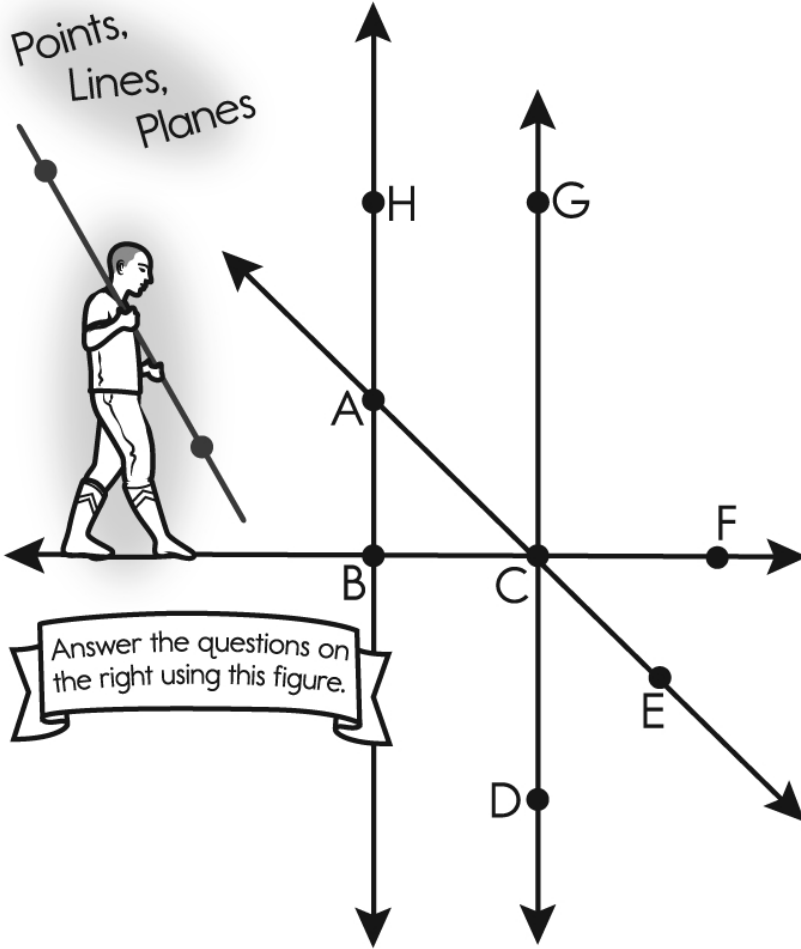


	Point	Line	Line Segment	Ray	Plane*
Example:					
Symbol:	A	\overleftrightarrow{AB}	\overline{AB}	\overrightarrow{AB}	ABF

* 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} ?

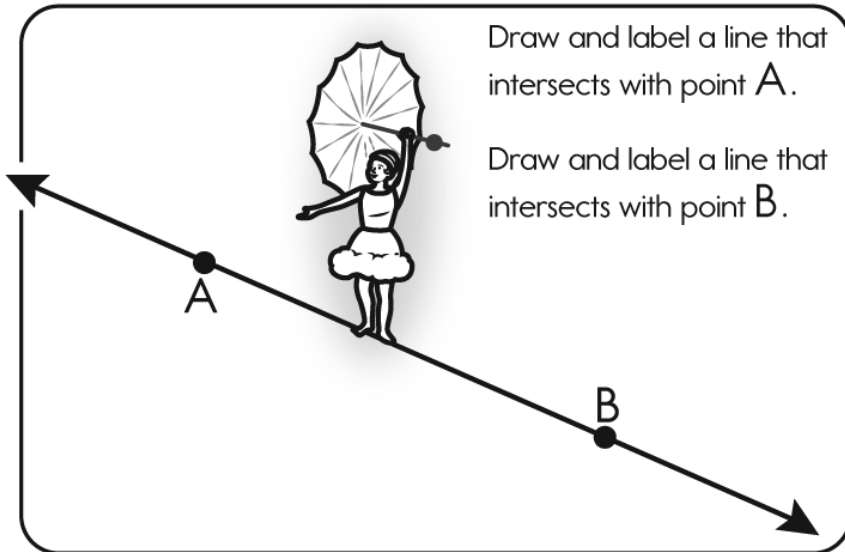
What is another name for \overleftrightarrow{BC} ?

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: _____

Complete each pattern.

h, p, 0, 0, h, p, 0, 0, h, p, 0, 0, h, p, 0, ____, ____

0, 0, 1, 1, d, o, 0, 0, 1, 1, d, o, 0, 0, 1, 1, ____

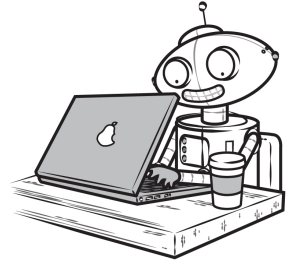
7, 5, 8, 8, 7, 5, 8, 8, 7, 5, 8, 8, ____, ____, 8, 8, 7

Complete each pattern. Write what the rule is.

2	14	26	38	50	62
4		22	31	40	49
6		22	30	38	46
3	18			63	78

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:**

```
A = 2781
B = 100
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

The computer replied:

```
The number that is
100 more than 2781
is 2881
```

```
A = 5810
B = 10
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

```
The number that is
10 more than 5810 is
5820
```

```
A = 2611
B = 100
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

```
-----
-----
-----
-----
```

```
A = 3256
B = 10
C = A + B
print ("The number that is ",
      B," more than ",A," is ",C)
```

```
-----
-----
-----
-----
```

Name: _____

$$A = 61644$$

$$B = 1000$$

$$C = A + B$$

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

$$A = 33447$$

$$B = 10000$$

$$C = A + B$$

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

$$A = 3802$$

$$B = 100$$

$$C = A + B$$

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

$$A = 5763$$

$$B = 10$$

$$C = A + B$$

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

$$A = 67686$$

$$B = 1000$$

$$C = A + B$$

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

Name the shape with eight sides and eight angles.

Rose has \$41. She wants to buy something that costs \$96. How much more does she need?

In the parking lot there are 13 vehicles. There are 3 SUVs. What fraction of the vehicles are not SUVs?

Name: _____

Reduce $\frac{4}{24}$ to its lowest terms.

Write the reciprocal.
13

Write the reciprocal.

$$\frac{6}{14}$$

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

$$2\frac{2}{12} \times 1\frac{4}{6} =$$

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

$$16 - \frac{9}{11} - \frac{1}{2} =$$

$$16 + \frac{9}{10} + \frac{5}{9} =$$

Reduce $\frac{84}{91}$ to its lowest terms.

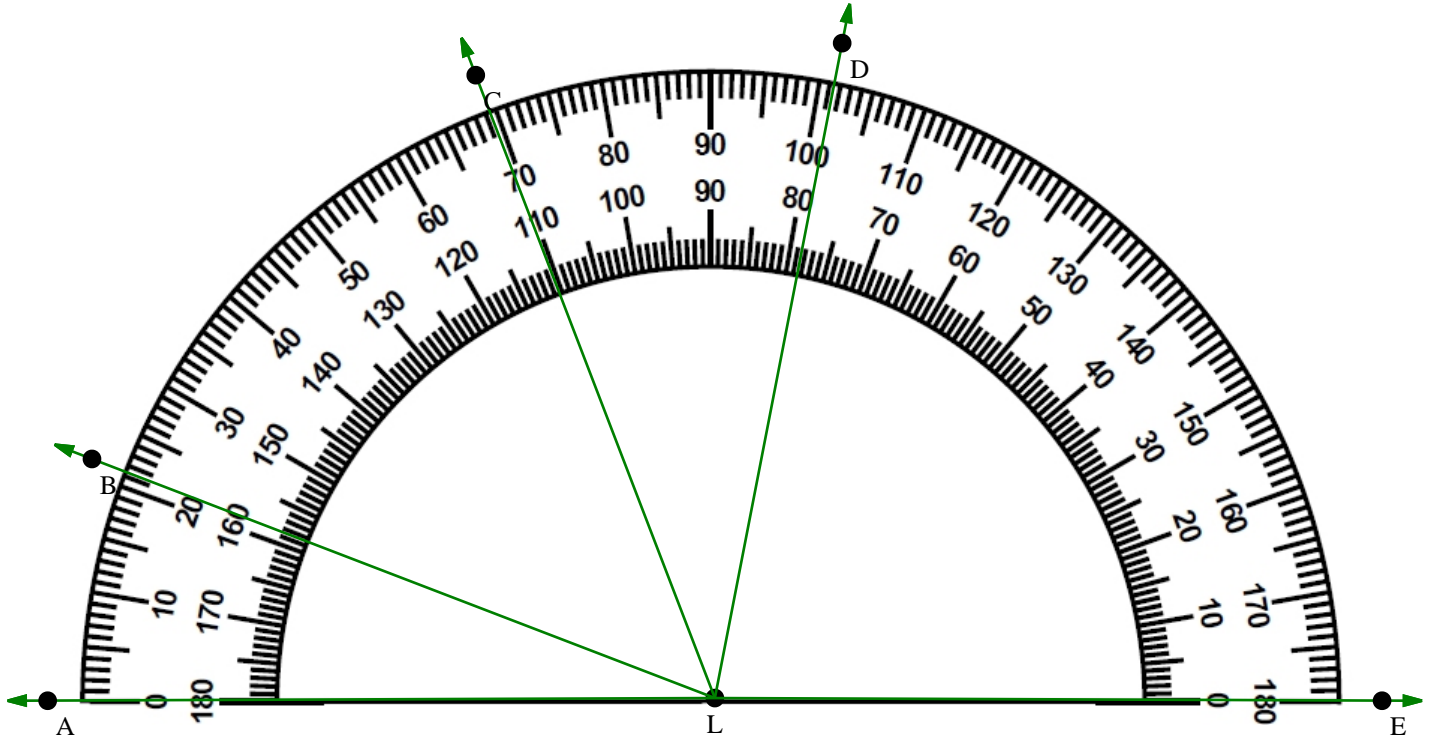
$$4\frac{9}{10} \div 3\frac{6}{8} =$$

$$\begin{array}{r} \frac{1}{2} \\ - \frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3\frac{6}{10} \\ \hline \end{array}$$

Name: _____

Write the measurement for each angle.



$\angle ALC = 101^\circ$

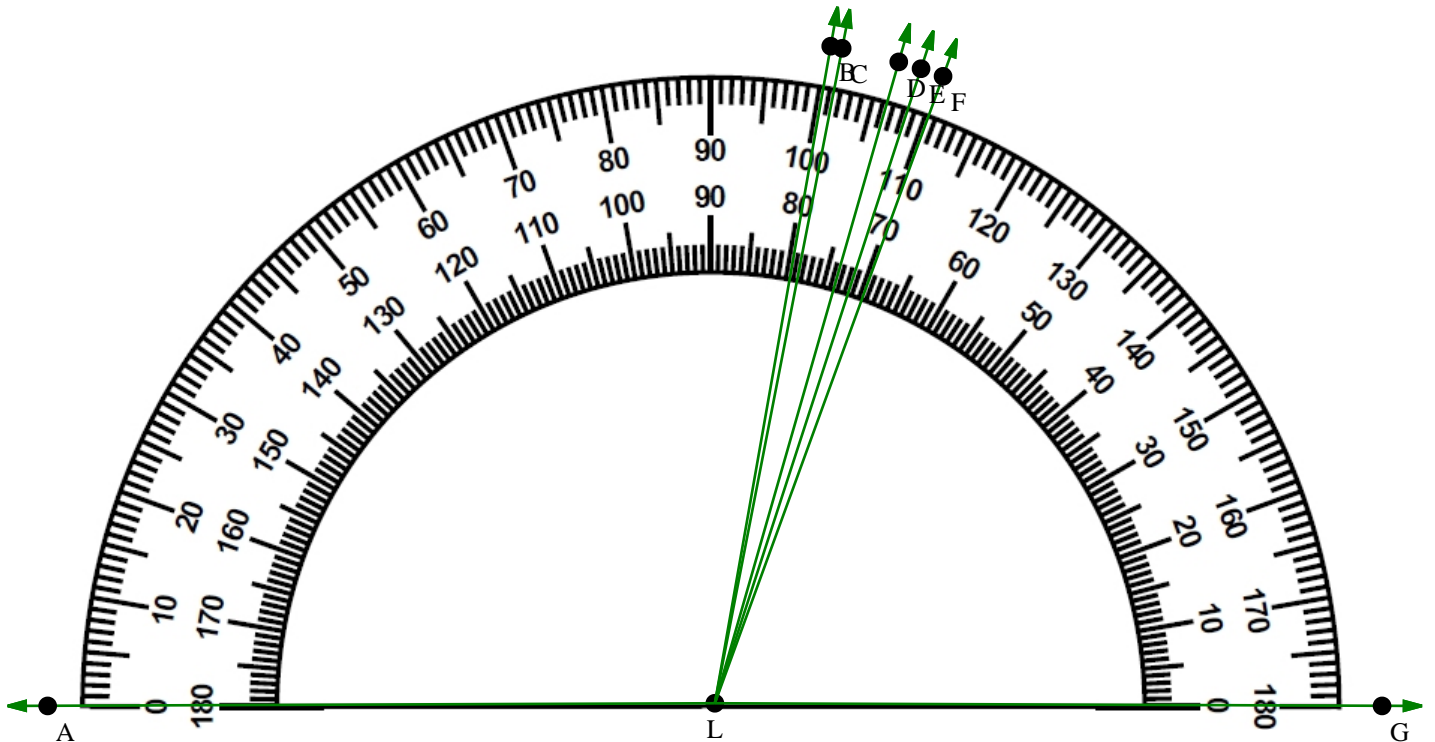
$\angle ELC =$ _____

$\angle DLE =$ _____

$\angle BLC =$ _____

$\angle DLB =$ _____

$\angle ALC =$ _____



$\angle CLG =$ _____

$\angle GLD =$ _____

$\angle CLF =$ _____

$\angle GLB =$ _____

$\angle CLB =$ _____





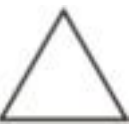








$\angle ALE =$ _____

Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

1	5	3			4
4	2	6	1		
		4			
	1		6		
				5	
	3	2	4		

Each row, column, and box must have 6 different pictures.

Name: _____

Sudoku Sums of 17

Each row, column, and box must have the numbers 1 through 9.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 17.

Here is an example of a sudoku sum of 17:

14	3
----	---

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

Reduce $\frac{7}{14}$ to its lowest terms.

$$7 - \frac{5}{7} + \frac{5}{12} =$$

$$17 + \frac{4}{7} - \frac{1}{3} =$$

Name: _____

Each row, column, and box must have the numbers 1 through 9.

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

$$\frac{8}{24} \div \frac{5}{6} =$$

Rewrite $\frac{22}{25}$ as a decimal.

$$0.1 (0.4 (0.1 + 4)) =$$

$$81 \div 9 = \underline{\hspace{2cm}}$$

$$66 \div 11 = \underline{\hspace{2cm}}$$

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: _____

There are 16 students in Ms. Garcia's class. During Let Reading Be Your Haven Month, the students read an average of 4.6 books each. How many books did the students read in all?

Robert wanted to sleep for $13 \frac{1}{2}$ hours. He went to bed at 9:50 p.m. and woke up at 8:20 a.m. How much less than $13 \frac{1}{2}$ hours did he sleep?

The area of a square is 2.56 square inches. What is its perimeter?

Rewrite this mixed number as an improper fraction.

$$12 \frac{9}{10}$$

Name: _____

$$911 + 71 =$$

$$\begin{array}{r} 126 \\ - 69 \\ \hline \end{array}$$

19 is how much more than
6968?

$$50 \overline{)103}$$

Divide and write remainder.

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

$$9 \overline{)225}$$

Divide and write remainder.

$$4 \overline{)6918}$$

Divide and write remainder.

$$\begin{array}{r} 8,137 \\ \times \quad 9 \\ \hline \end{array}$$

$$31 \overline{)3801}$$

Divide and write remainder.

$$\begin{array}{r} 598,651 \\ - 54,305 \\ \hline \end{array}$$

$$\begin{array}{r} 538 \\ - 509 \\ \hline \end{array}$$

$$\begin{array}{r} 7,443,357 \\ - 5,185,819 \\ \hline \end{array}$$

Name: _____

$$\begin{array}{r} 6.5 \\ + 7.56 \\ \hline \end{array}$$

$$\begin{array}{r} 7.16 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 13.89 \\ - 4.786 \\ \hline \end{array}$$

$$\begin{array}{r} 53.67 \\ + 1.923 \\ \hline \end{array}$$

Write the decimal number
for:
four thousandths

$$10,000 \times 9.82 =$$

$$0.008 \overline{) 0.00744}$$

Use >, <, or = to complete.

$$18.200 \underline{\hspace{1cm}} 18.2$$

$$307 \underline{\hspace{1cm}} 305.32$$

$$1.3 \underline{\hspace{1cm}} 1.98$$

$$352 \underline{\hspace{1cm}} 357.65$$

$$413.6 \underline{\hspace{1cm}} 416$$

$$2.3 \underline{\hspace{1cm}} 2.13$$

$$314 \underline{\hspace{1cm}} 310.8$$

$$\begin{array}{r} 6,445.48 \\ 4,793.45 \\ + 5,475.1 \\ \hline \end{array}$$

$$\begin{array}{r} 2.83 \\ \times 9.3 \\ \hline \end{array}$$

Write the decimal number
for:
eighty-one thousandths

$$\begin{array}{r} 2.9 \\ \times 9.48 \\ \hline \end{array}$$

Name: _____

Cross off the letter that does NOT belong.

N, O, M, N, L, M, K, L, J, K, I, J, H, I, G

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

9, 54, 62, 372, 380, 1079, 2280, 2288, 13728

Why does _____ not belong in the pattern?

Name: _____

Amy likes to program. She created a program she calls Countdown Challenge. On the left of the screen she prints 117. The next line will print 118 on the left, then 119 and so on. It will stop when 136 is reached.

At the same time she will start with 136 on the right side of the screen. It will count down. So when 117 is on the left, 136 will be on the right. The second line will be 118 on the left and 135 on the right.

If the two sides have the same number on the same line, then the program will play a song. During this run of the program, will the program play a song?

There is a remainder of 1 when you divide 61 by 4.

Can you give three more examples of a number divided by 4 giving you a remainder of 1?

Anna created a chart of whole numbers starting from 0 to 200. She drew a rectangle around each number. What is the 18th even number on her chart?

What is the 39th even number on her chart?

What is the 71th even number on her chart?

Erin is at Rent-A-Robot. She wants to rent a robot for 55 days. The store offers a couple of choices for rentals. She can rent the robot she wants for 6 days at a cost of \$264, or she can choose a longer rental at \$700 for 20 days. The store lets you extend rentals at any time, and you can pick either the 6-day or 20-day rental when a rental is extended. The store allows you to return robots early, but will not refund any money.

How much will it cost Erin to rent the robot she wants for 55 days?

Name: _____

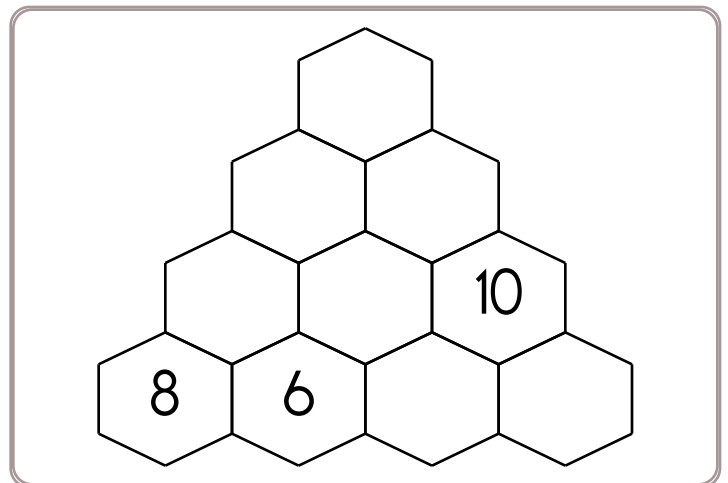
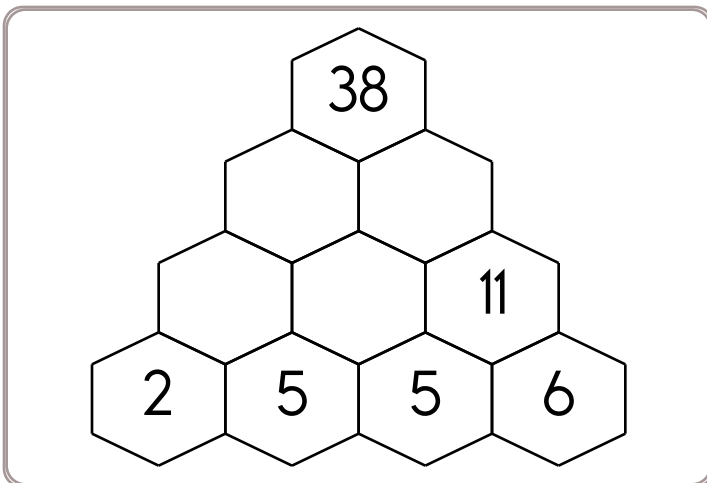
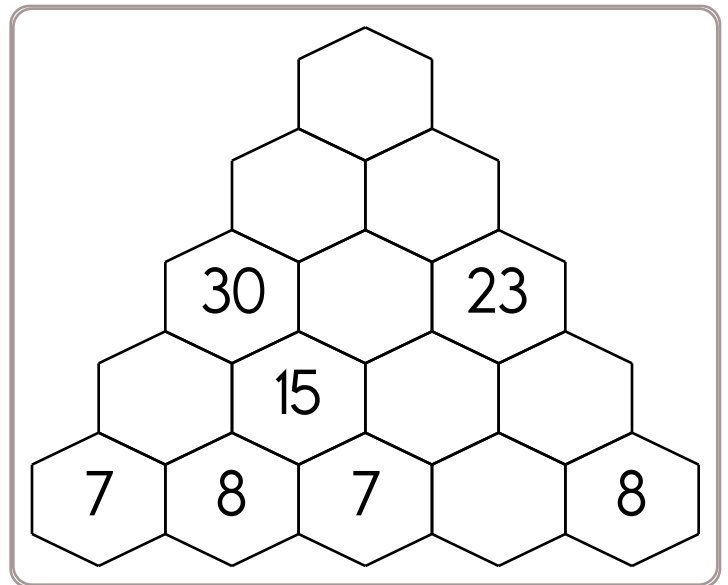
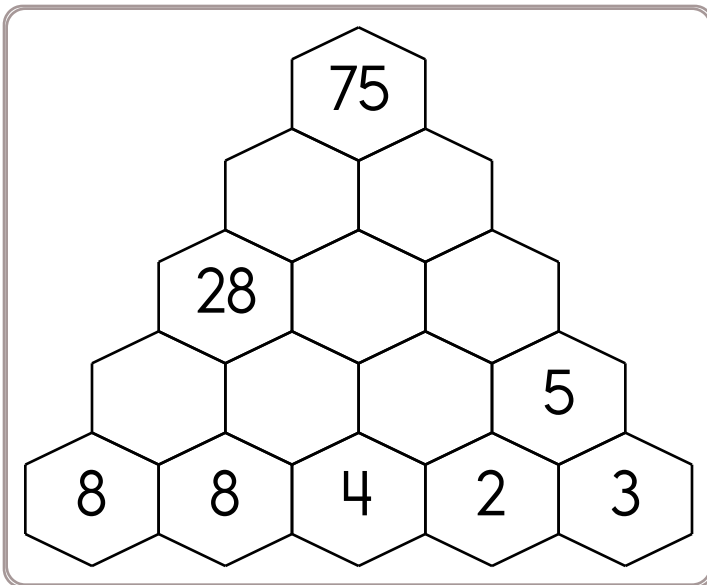
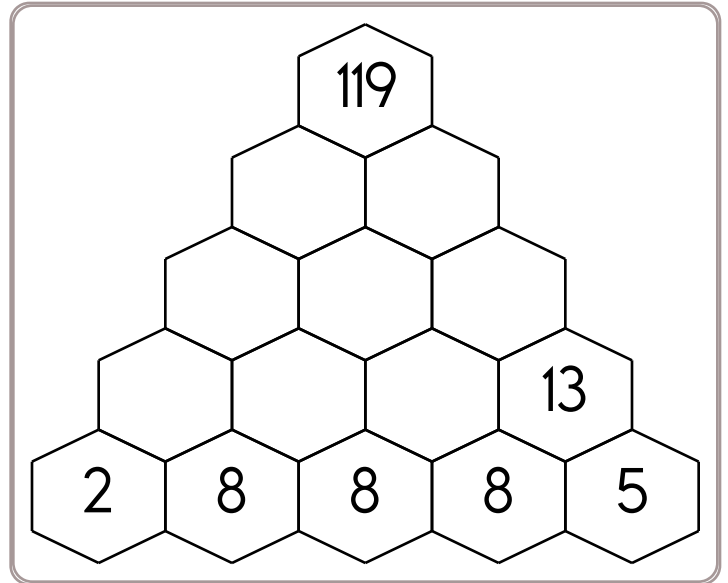
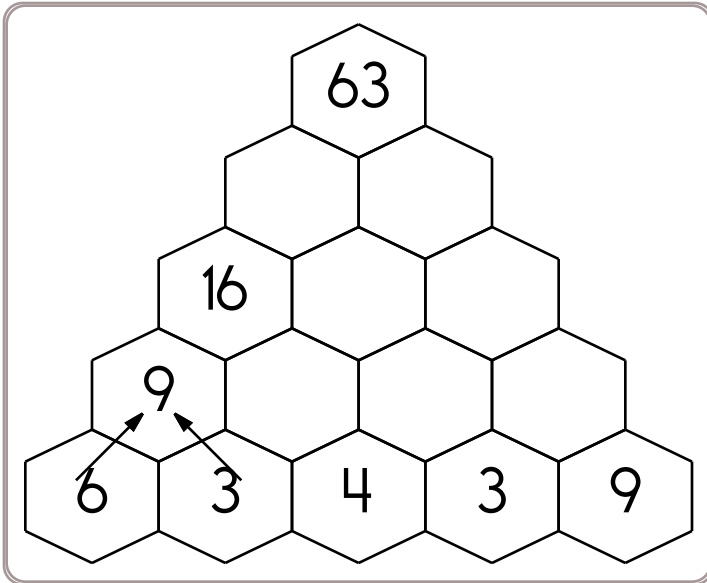
In triangle EFG the degree measure of angle E is 34° more than the degree measure of F. If the degree measure of G is 50° , what is the measure of all the angles in triangle EFG?

Emma is playing a game with Amanda. Together they have 1,050 points and need to get 370 more points to win. Amanda has $3\frac{2}{3}$ times as many points as Emma. How many individual points does Emma have?

I am the largest whole number that rounds to 240 when rounding to the nearest ten.

Name: _____

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



word root **choros** can mean **dancers or singers**

chorus, choreography

Name: _____

Which ratio equals 175:35?

- 21:4
- 5:16
- 25:5
- 4:21

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

- 17,635
- 1,680
- 20,159
- 19,440

$2^0 + 2^1 =$

- 5
- 3
- 6
- 4
- 2

Jason went to the grocery store and spent \$9 on ingredients to make cupcakes. He made 28 cupcakes and sold 25 of them for 77 cents each. How much profit did Jason make?

- \$17.62
- \$18.72
- \$13.44
- \$11.84
- \$10.25

$95 + 95 + 95 + 27 + 27 + 27 + 27 \times 0 =$

- 366
- 271
- 0
- 339
- 372

The perimeter of a square is 28 cm. What is the area?

- 16 cm²
- 81 cm²
- 225 cm²
- 49 cm²

6 is a factor of

- 90
- 113
- 122
- 148
- 135

Circle the answer closest to 27 weeks.

- 130 days
- 175 days
- 165 days
- 178 days

Which ratio equals 189:196?

- 27:28
- 13:17
- 29:34
- 13:11

Which is the same value as the "1" in 5,164?

- 10^2
- 10^5
- 10^1
- 10^3

$1^1 + 1^2 + 1^3 + 1^4 + 1^5 + 1^6 =$

- 9
- 4
- 3
- 7
- 6

Half the sum of two numbers is 29. One of the numbers is 21. What is the other number?

- 41
- 25
- 53
- 37

Name: _____

7 is a factor of

- 144
- 117
- 98
- 79
- 78

Which ratio equals 114:30?

- 19:5
- 2:20
- 25:2
- 5:16

Circle the answer closest to 40 weeks.

- 276 days
- 242 days
- 248 days
- 314 days

$1^1 + 1^2 + 1^3 + 1^4 + 1^5 =$

- 6
- 7
- 5
- 8
- 3

Which ratio equals 176:184?

- 20:15
- 16:13
- 22:23
- 28:25

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

- 7
- 8
- 9
- 5
- 4

Which of the following is divisible by 2, 3, and 4?

- 144
- 11,053
- 2,776
- 445

Which is the same value as the "1" in 612?

- 10^0
- 10^2
- 10^1
- 10^5

Eric went to the grocery store and spent \$12 on ingredients to make cupcakes. He made 26 cupcakes and sold 21 of them for 72 cents each. How much profit did Eric make?

- \$19.82
- \$13.34
- \$9.81
- \$5.55
- \$3.12

Which ratio equals 117:18?

- 13:2
- 5:29
- 3:21
- 24:3

Circle the answer closest to 39 weeks.

- 230 days
- 248 days
- 298 days
- 264 days

9 is a factor of

- 188
- 166
- 153
- 212
- 215

Name: _____

x	2	3	4	5	6	7	8	9	10
5					30				
6			24						
9									90
2						14			
4							32		
8								72	

Can 628 be evenly divided by 10? Circle:

628 is evenly divisible by 10

628 is NOT evenly divisible by 10

The product of two consecutive whole numbers is 90. What are the two consecutive whole numbers?

$6 \times 5 = \underline{\hspace{2cm}}$

Write the missing family fact.

$208 \div 26 = 8$

$8 \times 26 = 208$

$26 \times 8 = 208$

$80 \div 10 = \underline{\hspace{2cm}}$

Name: _____

Sara and Maria play on the same softball team. Sara was lucky enough to get her favorite number on her jersey. She likes it because the sum of its two digits is 10. If you take Sara's jersey number and reverse the digits, you would get Maria's jersey number. Maria has the smaller jersey number. It is 36 less than Sara's. What could their jersey numbers be?

Adam used a gift card to purchase a custom baseball jersey. Unfortunately, he needs to wait. The seller said he should receive it in 1 to 3 weeks. If today is March 22, what would be the latest date that the package might arrive?

Twenty multiplied by ten raised to what power equals twenty million?

On a map, 0.3 inches is equal to 5 miles. Peter wants to go from where his house is to a soccer field hosting a tournament that is 1.5 inches away. How far is the actual distance from his house to the soccer field?



Name: _____

Get a fidget spinner! Spin it.

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

$$|-74| - |61| =$$

$$8x - 26.6 = 24.6$$

If $x = 5$ and $j = -20$ then
what is $7x - 9j - 4j = ?$

$$x =$$

Circle the percentage that
is closest to 12 out of 62:

5%
82%
40%

Simplify.

$$\frac{7,500}{9,000} =$$

11, 13, _____, 17, 19, 21

Rewrite as an algebraic
expression or equation.

Eight subtracted from a
number is forty.

A circle graph has four
sections. Only three
sections are labeled. The
labels are 22%, 20%, and
6%. What should the
missing section be?

If $p = 3$, $w = -7$, and $a = 2$
then what is $p - w - a$?

$$t - 6 + t = 44$$

What is the value of t ?

$$(7 + 15) + 8 = 2(v + 12)$$

What is the value of v ?

Simplify.

$$\frac{186}{217} =$$

Name: _____

Show the steps to solve $8(50 - 8 + 18) + 741 \div 3 - 75$

Parentheses

Exponents

Multiplication & Division (or Division & Multiplication!)

Addition & Subtraction (or Subtraction & Division!)

Which two of these numbers have a product of 1.872?

5.2

0.52

8.2

0.052

0.036

0.36

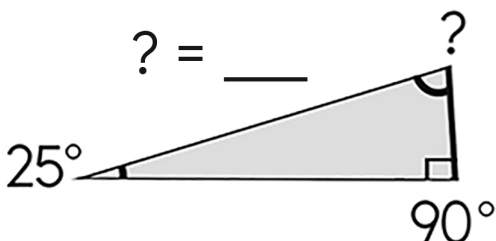
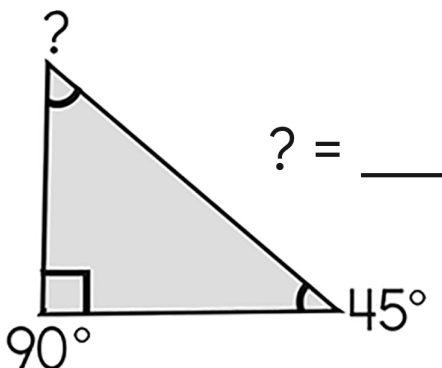
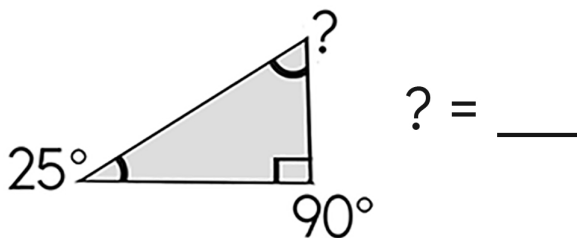
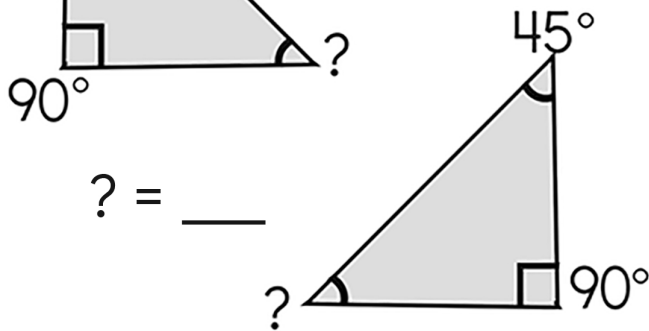
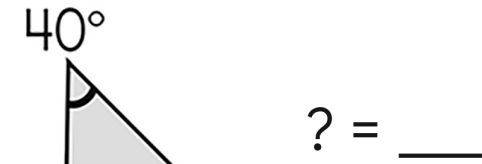
3.6

0.082

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted sends an average of 61 texts in only 5 minutes. At precisely 3:16 Ted finally sat down outside of school to play his phone. He played his phone until 3:51 when his phone ran out of power. How many texts do you think Texty Ted sent?

Name: _____

Find the missing angles of these right triangles.

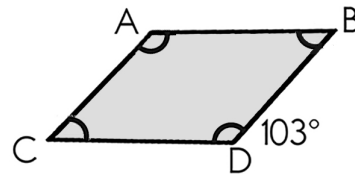
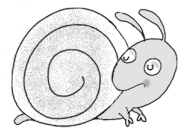


Fill in the blanks.

If a right triangle has an angle of 40° , what is the other angle? _____

If a right triangle has one acute angle that is two times the size, what do they measure? _____

If an equilateral triangle has one angle that measures 60° , what do the other two measure? _____



Which angle is congruent to $\angle D$? _____

What's the measurement of $\angle B$? _____



What's the sum of $\angle B$ and $\angle A$? _____

©edHelper

Name: _____

$$\begin{array}{r} 427 \\ - 250 \\ \hline \end{array}$$

$$\begin{array}{r} 40,715 \\ - 3,345 \\ \hline \end{array}$$

$$\begin{array}{r} 9,604 \\ - 3,967 \\ \hline \end{array}$$

$$9 + \frac{2}{3} - \frac{3}{4} =$$

Reduce $\frac{3}{6}$ to its lowest terms.

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

Change 18% to a decimal.

Find 28% of 146.

Change $\frac{9}{10}$ to a decimal.

Change 49% to a decimal and a fraction expressed in its lowest terms.

Change $\frac{40}{100}$ to a percent.

234 is what percent of 360?

Find 30% of 273.

Change $\frac{6}{10}$ to a decimal.

Change $\frac{3}{15}$ to a decimal.

Name: _____

It is now 8:42. What time will it be in 48 minutes?

- A) 9:29
- B) 9:17
- C) 9:24
- D) 9:30

$$88.12 + 54.933 =$$

- A) 143.053
- B) 161.351
- C) 102.066
- D) 743.053

Which of the following numbers is greater than thirty-six and less than fifty-two?

- A) 36
- B) 52
- C) 40
- D) 27

How many feet in 6 yards?

- A) 33 feet
- B) 15 feet
- C) 216 feet
- D) 18 feet

Which of these answers is the expanded numeral for 8926?

- A) $8 + 9 + 2 + 6$
- B) $2000 + 800 + 60 + 9$
- C) $8000 + 600 + 20 + 9$
- D) $8000 + 900 + 20 + 6$

$$142,125 =$$

- A) one hundred forty-two, one hundred twenty-five
- B) one hundred forty-two thousand, one hundred twenty-five
- C) fourteen million, two hundred twelve thousand, five hundred
- D) None of the above

Name: _____

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

$$(12 \times 6) - 8 = 64$$

$$6 + (11 + 8) = 25$$

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

$$6 + 4 \div 2 = 8$$

$$11 + 11 \div 11 = 12$$

$$11 + 11 \div 11 = 2$$

$$12 - 9 \div 3 = 1$$

$$6 + 6 - 12 = 0$$

$$12 - 12 \times 4 + 8 = 8$$

$$1 + 2 - 4 \div 2 = 1$$

$$12 - 6 + 1 + 5 = 12$$

$$2 + 4 - 3 + 9 = 12$$

$$2 \times 1 + 3 - 1 = 4$$

$$9 \times 9 \div 3 + 4 = 31$$

$$2 + 7 \times 9 + 8 = 89$$

$$3 + 9 \times 10 - 8 = 21$$

$$9 \div 3 + 12 + 7 = 22$$

$$11 + 1 \times 10 - 7 = 14$$

Name: _____

$$28 - 16 + t = 24$$

What is the value of t ?

Each side of a regular pentagon is 33.4 centimeters. What is the perimeter?

$$p - \$69 = \$20$$

What is the value of p ?

Rewrite as an algebraic expression or equation.

Six thousand, six hundred seventy-two minus the product of m and 42.7.

$$2 \times 2 \times 2 \times 2 = Z^y$$

What is the value of Z and y ?

If

$$100,000,000,000$$

$= 10^x$, then what is the value of x ?

$$0.5 (0.4 (0.5 \times 4)) =$$

Rewrite in scientific notation.

$$870,800,000$$

Simplify.

$$\frac{78}{130} =$$

Convert $56 \frac{6}{7}$ to an improper fraction.

Find the least common denominator for the fractions $\frac{6}{8}$ and $\frac{12}{16}$.

What is the area of a rectangle with a length of 26 centimeters and a width that is $\frac{1}{2}$ the length?

Name: _____

What's in the Box?

Read the words on the left then match the letters with the correct synonyms in the clues.
Put the clues together and solve the mystery of what is in the box.

- A =infection
- B =vigor
- C =profit
- D =labor
- E =essay
- F =pounce
- I =honor
- L =blend
- M =cook
- O =tragic
- P =rural
- R =castle
- S =injure
- T =snarl
- U =dispute
- Y =pout

- Clue 1: country awful country feud blend disease palace
 _____ p _____ o _____
- Clue 2: gain palace theme disease chef frown

- Clue 3: leap palace feud respect growl frown

- Clue 4: hurt country palace theme disease work

- Clue 5: energy palace theme disease work

What's in the Box? _____

$46,148 - 18,393 =$ _____	$10 \times 5 =$ _____
$68,917 - 47,864 =$ _____	$5 \times 9 =$ _____
$36 \div 12 =$ _____	$12 \times 2 =$ _____
What time is 13 hours after 3:00 p.m. _____	Five-sixths of the children in Thompson's class want to go outside. If Thompson agrees with the majority, will the class stay inside or go outside?
$9 \times 4 =$ _____	

Name: _____

$$\begin{array}{r} 68,937 \\ - 55,178 \\ \hline \end{array}$$

$$\begin{array}{r} 531 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 95,870 \\ - 95 \\ \hline \end{array}$$

Reduce $\frac{20}{35}$ to its lowest terms.

Reduce $\frac{96}{104}$ to its lowest terms.

Write the reciprocal.

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

Change $\frac{53}{100}$ to a percent.

Find 35% of 123.

Change $\frac{15}{25}$ to a decimal.

Find 75% of 220.

Change 0.84 to a percent.

Find 5% of 288.

Change 15% to a decimal.

Change $\frac{4}{10}$ to a decimal.

Change 12% to a decimal.

Name: _____

		+		+		=	
	C		A		?		15
x							
	B		B		B		24
+							
	B		C		B		20
=							
	40		28		72		

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$B + B + B = 24$ $B + \underline{\hspace{1cm}} + B = 20$ $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 40$

$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 28$

Additional hints:

$B < 10$ $C = A + 1$

Show Work:

Solve:

$? = \underline{\hspace{1cm}}$

Name: _____

Find 48% of 165.

Change $\frac{1}{4}$ to a decimal.

Find 75% of 220.

96 is what percent of 120?

Change 48% to a decimal and a fraction expressed in its lowest terms.

21 is what percent of 100?

Change $\frac{19}{20}$ to a decimal.

Change 0.02 to a percent.

Find 9% of 270.

Change $\frac{7}{10}$ to a percent.

Find 67% of 221.

Change 14% to a decimal.

Find 8% of 210.

Change 0.25 to a percent.

Change $\frac{33}{55}$ to a decimal.



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