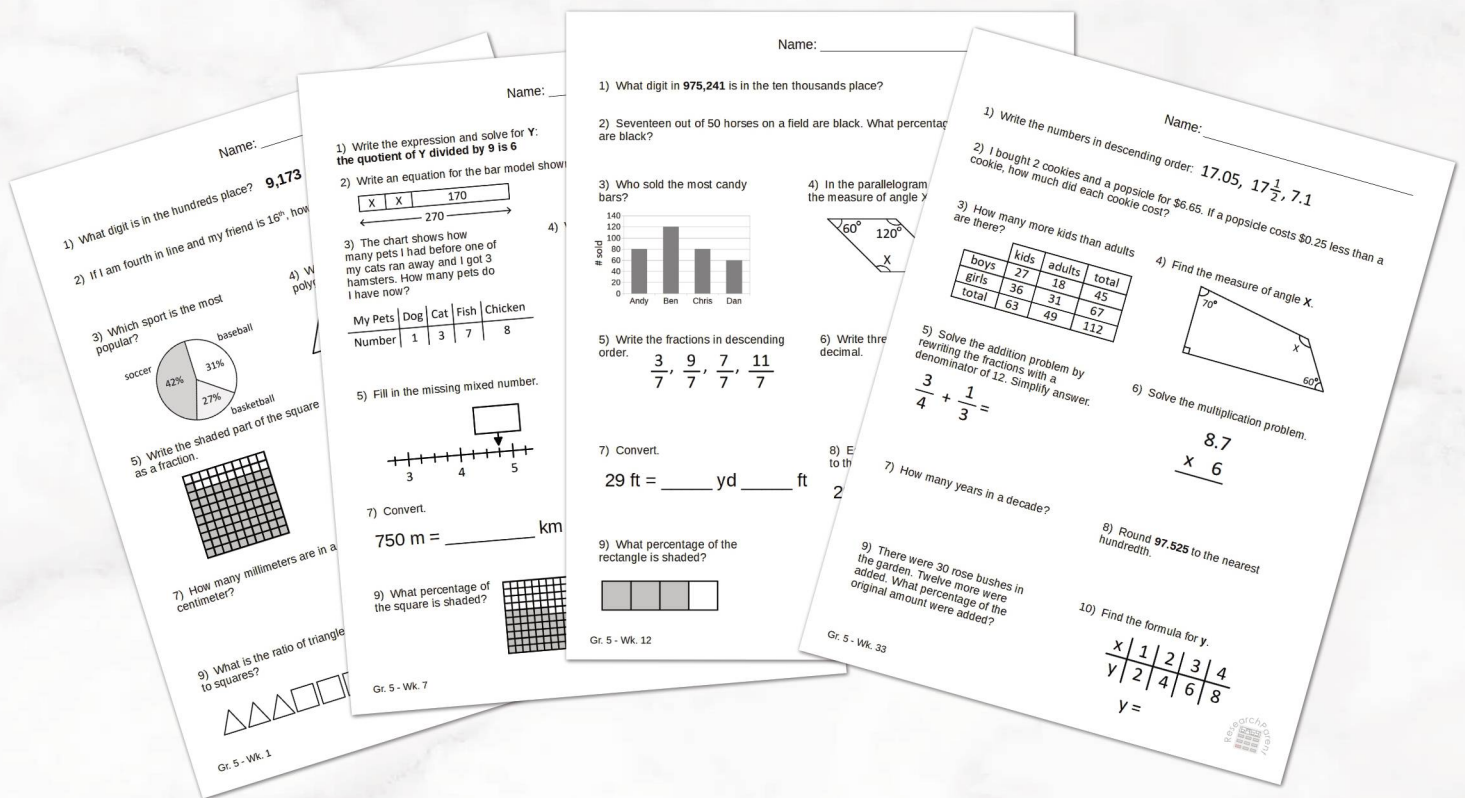


MINIMALIST MATH

5th Grade Curriculum

FREE PRINTABLE



36 Week Curriculum

10 problems per week

Topics Covered:

- Understanding Numbers
- Word Problems
- Graphs, Charts, & Tables
- Geometry
- Fractions
- Decimals
- Units & Measurements
- Rounding & Estimation
- Ratios & Percents
- Calculations

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Dear fellow educator,

It is easy for kids to feel overwhelmed by math. Most traditional curricula involve a vast amount of work. However, the concepts that kids are required to know by the end of the year can be summarized fairly succinctly. This curriculum takes out all of the repetition, while keeping the full breadth and range of difficulty of problem types seen at this grade level. This allows students to focus on those concepts and see the big picture.

Whether you are using this curriculum as a full homeschool curriculum, to accelerate student progress, to identify weaknesses, or as a summer review, I hope it is helpful to you!

If you would like an answer key to go along with this curriculum, all of my curriculum and answer keys for Grade 1 through Algebra 1, plus task cards and mastery checklists are included in my **\$5 Patreon membership**. Instead, you could also purchase this grade level individually on **Etsy**.

Warmly,

Michelle Scharfe, Ph.D. of **ResearchParent.com**

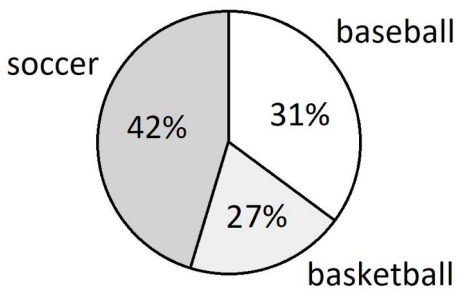
P.S. As someone who is interested in education, you might enjoy this **free curated library** I am creating full of learning resources for kids of all ages! 😊

Name: _____

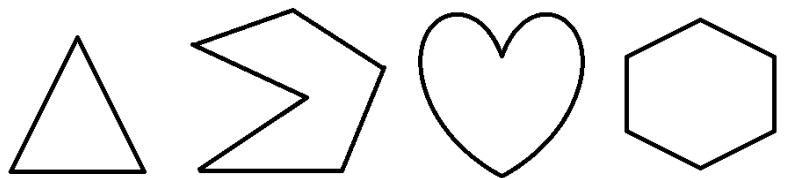
1) What digit is in the hundreds place? **9,173**

2) If I am fourth in line and my friend is 16th, how many people are between us?

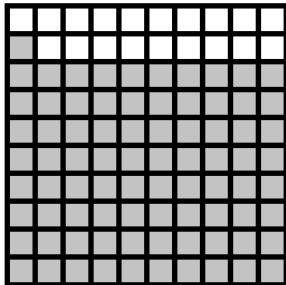
3) Which sport is the most popular?



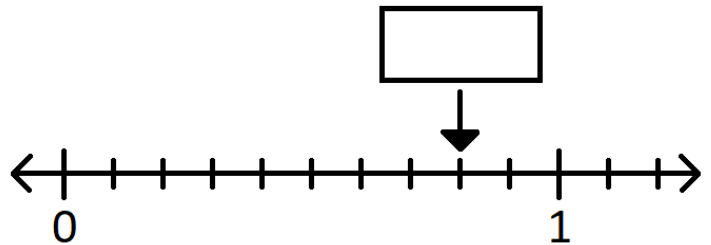
4) Which of these shapes is not a polygon?



5) Write the shaded part of the square as a fraction.



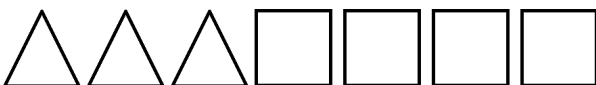
6) Write the missing number as a decimal.



7) How many millimeters are in a centimeter?

8) Round **927** to the nearest ten.

9) What is the ratio of triangles to squares?



10) Add.

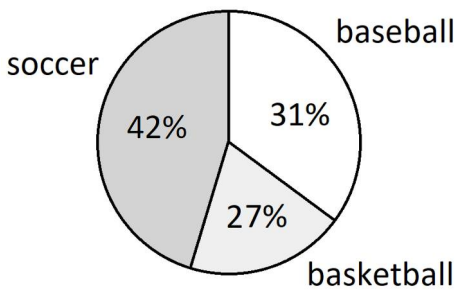
$$\begin{array}{r} 5184 \\ 723 \\ + 6095 \\ \hline \end{array}$$

Name: _____

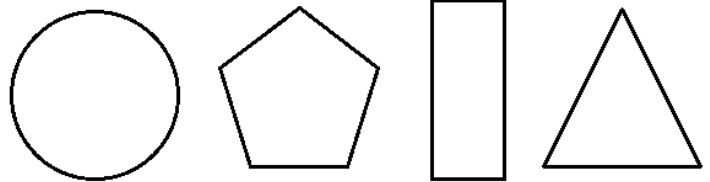
1) How much is **9 hundreds** plus **5 tens** plus **2 ones**?

2) I am 8 years older than my brother. My brother is twice as old as my sister. If I am 20 year old, how old is my sister?

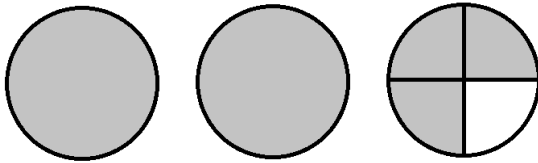
3) Which sport is the least popular?



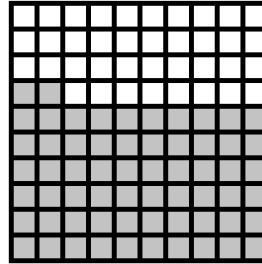
4) Which of these shapes is a quadrilateral?



5) Write the shaded amount as a mixed number.



6) Write the shaded part as a decimal.



7) How many centimeters are in a meter?

8) Round **1,095** to the nearest ten.

9) What is the ratio of circles to triangles?



10) Solve.

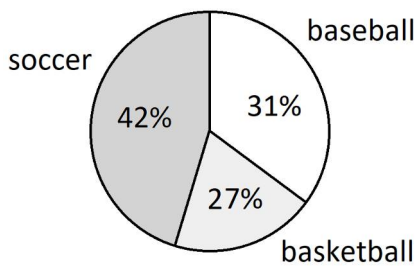
$$25 \div (10 \div 2) =$$

Name: _____

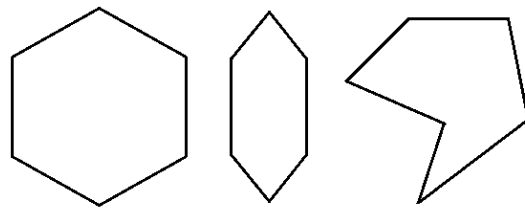
1) Use tally marks to show the number **17**.

2) I made a necklace with alternating green and blue beads. If the first bead was green, what color was the sixtieth?

3) If there are 42 kids playing soccer, how many are playing baseball?



4) Which of these hexagons is a regular hexagon?



5) What fraction of the triangles are shaded?



6) Write six tenths as a decimal.

7) Convert.

$$0.6 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$$

8) Estimate by rounding each number to the nearest ten.

$$95 + 62 \approx$$

9) What is the ratio of circles to squares to triangles?

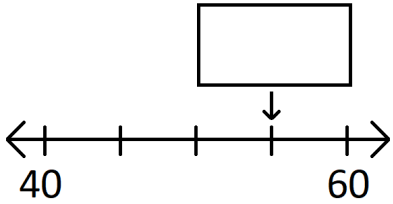


10) Fill in the circle with a comparison symbol.

$$4 \times (3 + 5) \bigcirc (4 \times 3) + 5$$

Name: _____

1) What number belongs in the the box?

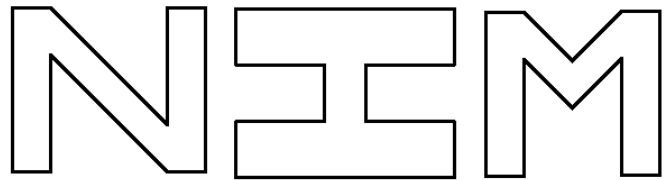


2) There were 42,917 people at the concert yesterday and 39,265 people today. How many more people were there yesterday than today?

3) If I have 19 pets in total, how many of them are fish?

My Pets	Dog	Cat	Fish	Chicken
Number	1	3	?	8

4) Which of these shapes does not have rotational symmetry?



5) Write $17 \div 9$ as a fraction.

6) Write $\frac{39}{10}$ as a decimal.

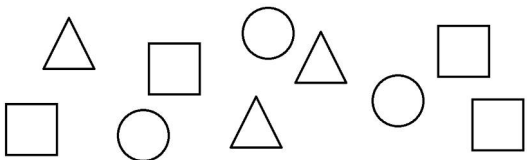
7) Convert.

$$13 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$$

8) Estimate by rounding each number to the nearest ten.

$$79 + 5 + 64 \approx$$

9) What is the ratio of circles to all shapes?



10) Subtract.

$$\begin{array}{r} 5000 \\ - 1827 \\ \hline \end{array}$$

Name: _____

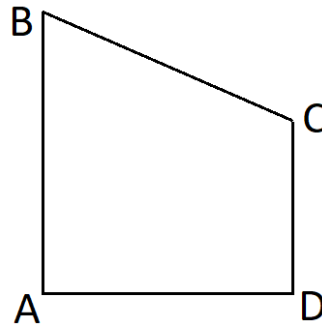
1) Write the expression using digits and a comparison symbol: **forty two is less than one hundred three**

2) I have 7 blue beads, 9 red beads, 3 green beads, and 5 yellow beads. If I were able to put the same number of beads on each of 4 necklaces, how many beads would each necklace have?

3) I have the most of which types of pet?

My Pets	Dog	Cat	Fish	Chicken
Number	1	3	7	8

4) Which line segment is perpendicular to AB?



5) Fill in the missing comparison symbol.

$$\frac{1}{3} \bigcirc \frac{1}{5}$$

6) Write $\frac{3}{5}$ as a decimal.

7) How many meters are in a kilometer?

8) Round **749** to the nearest hundred.

9) Write the ratio of triangles to total number of shapes as a fraction.



10) Simplify.

$$\frac{1600}{4}$$

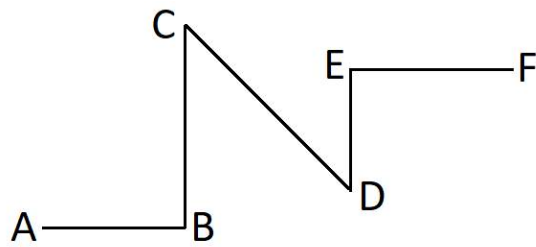
Name: _____

- 1) Write the expression and solve for **B**: the product of 7 and B is 21
- 2) There are 60 birds and one third of them are blue. How many birds are not blue?

3) How many more fish than dogs do I have?

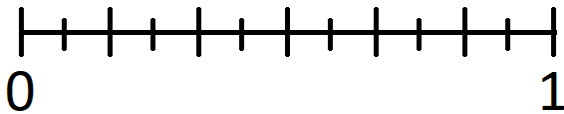
My Pets	Dog	Cat	Fish	Chicken
Number	1	3	7	8

4) Which of these line segments is oblique?

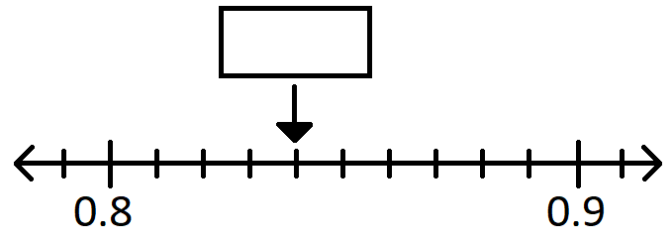


5) Mark the following fractions on the number line.

$$\frac{5}{12} \quad \frac{5}{6} \quad \frac{1}{3}$$



6) Fill in the missing number.

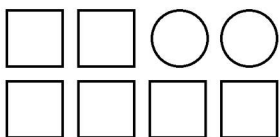


7) Convert.

$$5.3 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

8) Round **1,550** to the nearest hundred.

9) Write the ratio of circles to squares as a simplified fraction.



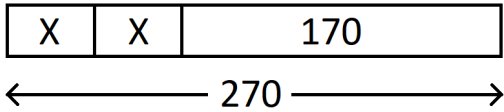
10) Solve for **y**.

$$27 \times 1 = 27 + y$$

Name: _____

1) Write the expression and solve for **Y**:
the quotient of Y divided by 9 is 6

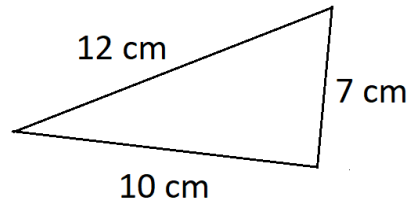
2) Write an equation for the bar model shown, then solve for **x**.



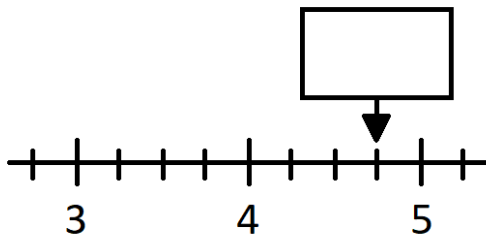
3) The chart shows how many pets I had before one of my cats ran away and I got 3 hamsters. How many pets do I have now?

My Pets	Dog	Cat	Fish	Chicken
Number	1	3	7	8

4) What is the perimeter of this triangle?



5) Fill in the missing mixed number.



6) Write seven hundredths as a decimal.

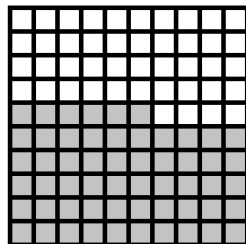
7) Convert.

$$750 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

8) Estimate by rounding each number to the nearest hundred.

$$1,712 + 568 \approx$$

9) What percentage of the square is shaded?



10) Solve for **y**.

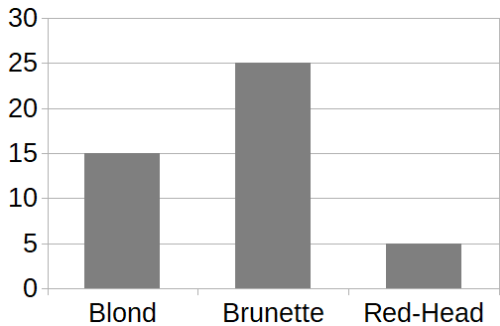
$$527 + y = 910$$

Name: _____

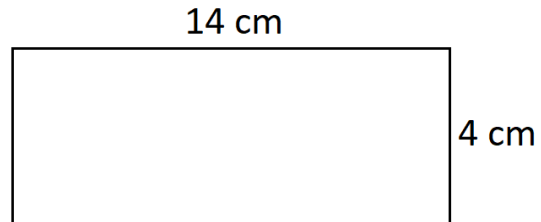
1) Write the number **forty one thousand sixty five**.

2) There are 9 cows and 5 horses in the field. How many times fewer horses are there?

3) How many people in the group are blond?



4) What is the area of this rectangle?



5) How many sixths are in $2\frac{5}{6}$?

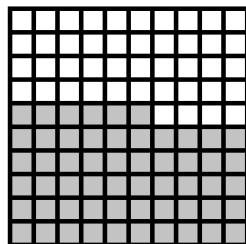
6) Write twenty four hundredths as a decimal.

7) How many inches are in a foot?

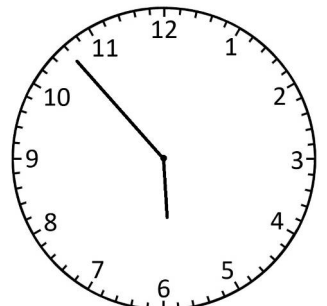
8) If you round the number below to the nearest hundred, it would be **500**. What is the largest number that could go in the box.

5 0

9) What percentage of the square is NOT shaded?



10) If it is the afternoon, what time is it?

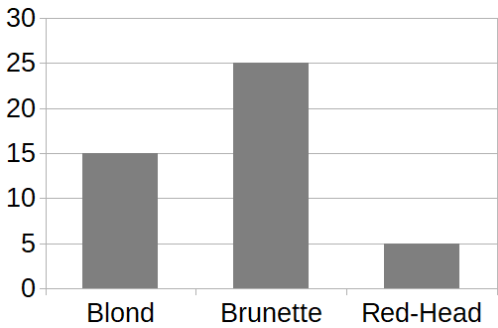


Name: _____

1) What is the eighth term in this sequence? **7, 14, 21, 28,...**

2) I ate 17 cherries and my sister ate 5. How many times more cherries did I eat?

3) How many people are either blond or brunette?



4) A square has a perimeter of 12 inches. What is its area?

5) Write as an improper fraction.

$$3\frac{5}{12}$$

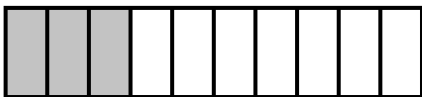
6) Write $\frac{47}{100}$ as a decimal.

7) Convert.

$$5 \text{ ft } 3 \text{ in} = \underline{\hspace{2cm}} \text{ in}$$

8) What is the smallest number that rounds to **1,700** when rounding to the nearest hundred?

9) What percentage of the rectangle is shaded?



10) Solve.

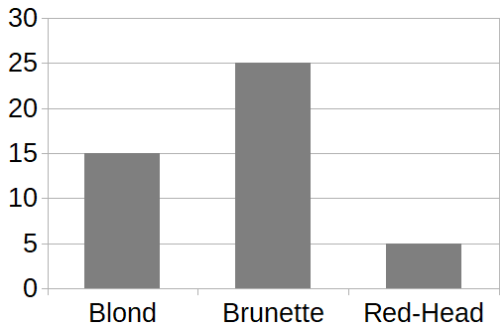
$$\sqrt{81}$$

Name: _____

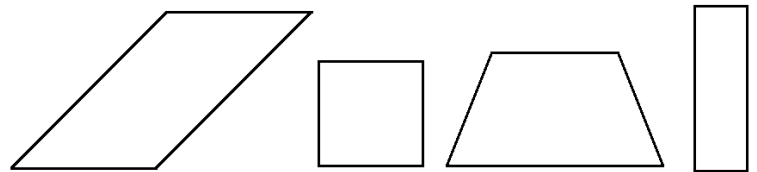
1) What is the largest 4 digit number that uses the digits **1, 5, 2,** and **8** exactly once?

2) I used three quarters pound of butter in my baking today. If I started with one pound, how much butter do I have left?

3) How many more people are brunette than red-headed?



4) Which of these quadrilaterals is not a parallelogram?



5) What mixed number is half of 27?

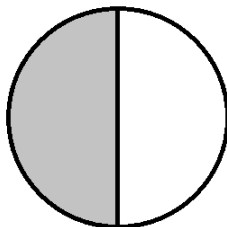
6) Write fifteen tenths as a decimal.

7) Convert.

45 in = _____ ft _____ in

8) Round **52,499** to the nearest thousand.

9) What percentage of the circle is shaded?



10) Complete the number pattern.

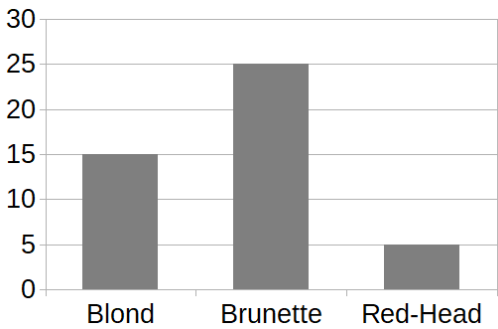
56, 49, 42, _____, _____, _____

Name: _____

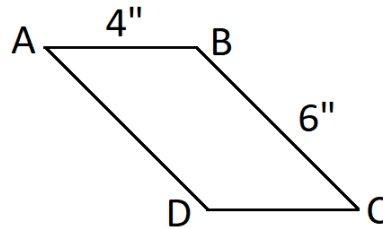
1) What does the digit **6** stand for in the number **96,124**?

2) There are 13 red balls, 22 green balls, and 15 blue balls. What fraction of the balls are red?

3) If there are 52 people in the group, how many are not blond, brunette, or red-headed?



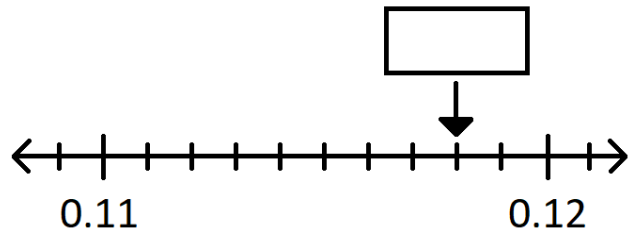
4) In the parallelogram shown, how long is \overline{CD} ?



5) Write the fractions in ascending order.

$$\frac{5}{2}, \frac{5}{5}, \frac{5}{9}, \frac{5}{8}$$

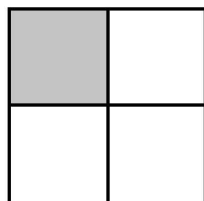
6) Write the missing number as a decimal.



7) How many feet are in a yard?

8) Round **137,513** to the nearest thousand.

9) What percentage of the square is shaded?



10) Complete the number pattern.

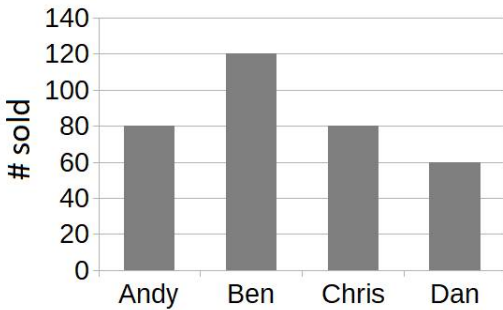
6, 37, _____, _____, 8, 57, 9, 67

Name: _____

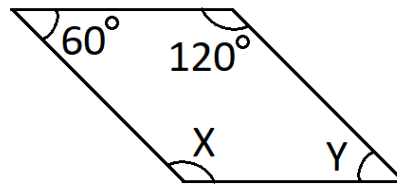
1) What digit in **975,241** is in the ten thousands place?

2) Seventeen out of 50 horses on a field are black. What percentage of the horses are black?

3) Who sold the most candy bars?



4) In the parallelogram shown, what is the measure of angle X?



5) Write the fractions in descending order.

$$\frac{3}{7}, \frac{9}{7}, \frac{7}{7}, \frac{11}{7}$$

6) Write three thousandths as a decimal.

7) Convert.

$$29 \text{ ft} = \underline{\hspace{2cm}} \text{ yd } \underline{\hspace{2cm}} \text{ ft}$$

8) Estimate by rounding each number to the nearest thousand.

$$28,910 + 3,789 \approx$$

9) What percentage of the rectangle is shaded?



10) Write the following numbers in descending order.

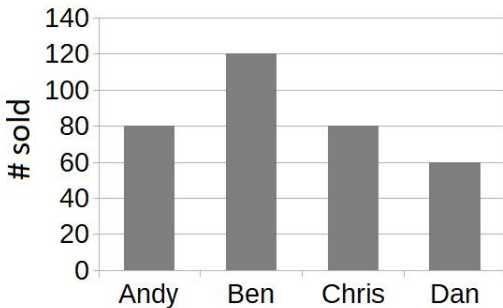
$$1.7, 0.8, \frac{3}{4}, \frac{9}{10}, 1\frac{1}{3}$$

Name: _____

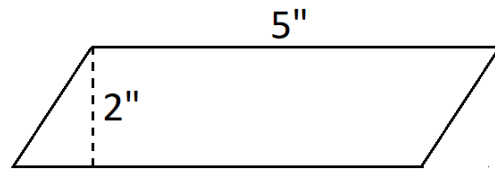
1) What is the value of the digit **4** in the number **21,490,610**?

2) I ate three twelfths of a pizza and my brother ate $\frac{1}{4}$. How much pizza is left?

3) Which two children sold the same number of candy bars?



4) Find the area of this parallelogram.



5) Write the fractions in ascending order.

$$\frac{7}{9}, \frac{5}{8}, \frac{1}{2}, \frac{7}{6}$$

6) Write 157 thousandths as a decimal.

7) Convert.

$$7 \text{ yd} = \underline{\hspace{2cm}} \text{ in}$$

8) If you round the number below to the nearest thousand, it rounds to 135,000. What is the smallest number that can go in the box?

$$134, \boxed{} 00$$

9) If there is a 75% chance of snow, is snow impossible, unlikely, likely, or certain?

10) Write the following numbers in ascending order.

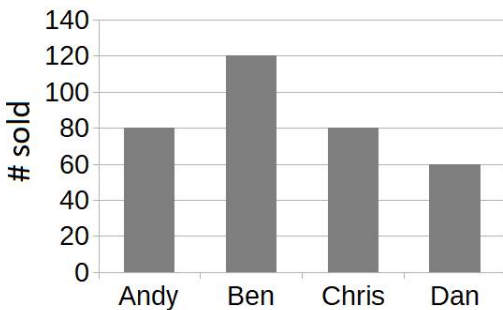
$$3.7, 3\frac{3}{4}, \frac{16}{3}, 3.1, 3\frac{1}{2}$$

Name: _____

1) What is the smallest even number you can make using the digits **5**, **2**, and **7** exactly once?

2) I got some money from my grandma. I gave one third to my brother and still have \$50. How much money did she give me?

3) Which child sold half as many candy bars as Ben?



4) Is a square also a rhombus?

5) Simplify the fraction.

$$\frac{21}{28}$$

6) Write $2\frac{46}{1000}$ as a decimal.

7) How many cups are in a pint?

8) What is the largest number that rounds to **65,000** when rounding to the nearest thousand?

9) If there is a 100% chance of thunderstorms, are thunderstorms impossible, unlikely, likely, or certain?

10) Fill in the circle with a comparison symbol.

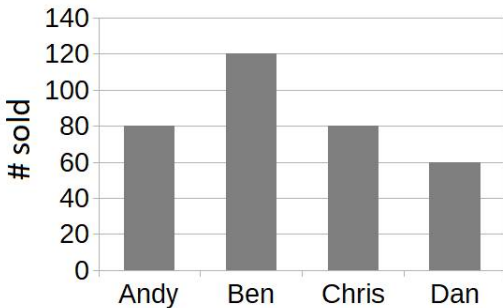
$$-4 \bigcirc -5$$

Name: _____

1) What is the largest odd number you can make using the digits **7, 2, 8,** and **4** exactly once?

2) I have 320 buttons. If I give each child 15 buttons, how many kids will get buttons and how many leftover buttons will I have?

3) How many candy bars did the four children sell altogether?



4) Is a square also a trapezoid?

5) Find the missing number.

$$\frac{7}{3} = \frac{\boxed{}}{21}$$

6) Which digit is in the tenths place?

37.815

7) How many pints are in a quart?

8) Round **528,713** to the nearest ten thousand.

9) If there is a 10% chance of rain, is rain impossible, unlikely, likely, or certain?

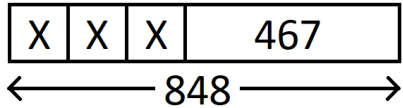
10) Solve.

$$10 \times 0.07 =$$

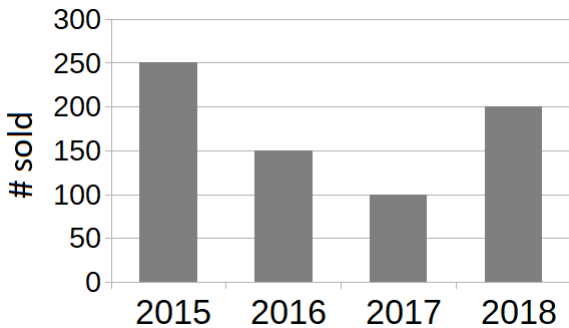
Name: _____

1) What is the third multiple of **8**?

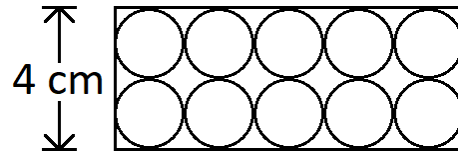
2) Write an equation for the bar model, then solve for x .



3) In which year were the most units sold?



4) Ten circles fit in a rectangle that is 4 cm wide as shown. What is the perimeter of the rectangle?



5) Find the missing number.

$$\frac{5}{7} = \frac{20}{\boxed{}}$$

6) Which digit is in the hundredths place?

512.784

7) How many cups are in a quart?

8) Estimate by rounding each number to the nearest ten thousand.

$$512,879 + 24,170 \approx$$

9) The ratio of red balls to blue balls is 2:3. If there are 400 red balls, how many blue balls are there?

10) Solve.

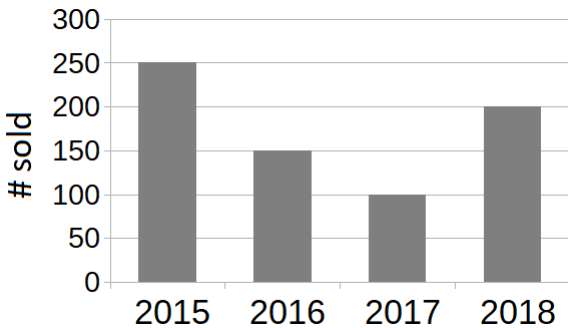
$$0.5 \div 100 =$$

Name: _____

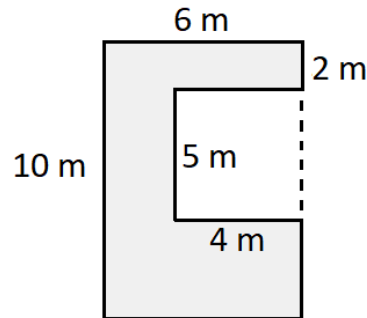
1) Write the number **sixty million one hundred four thousand seven**.

2) Together, my cousin and I have 350 buttons. I have 42 fewer buttons than my cousin. How many buttons do I have?

3) How many units were sold in 2015?



4) Find the area of the shape below.



5) Fill in the missing comparison symbol.

$$\frac{2}{3} \bigcirc \frac{40}{60}$$

6) Which digit is in the thousandths place?

1,548.9372

7) How many quarts are in a gallon?

8) Round **3,549,716** to the nearest hundred thousand.

9) The ratio of boys to girls is 7:5. If there are 120 kids in all, how many are boys?

10) Solve.

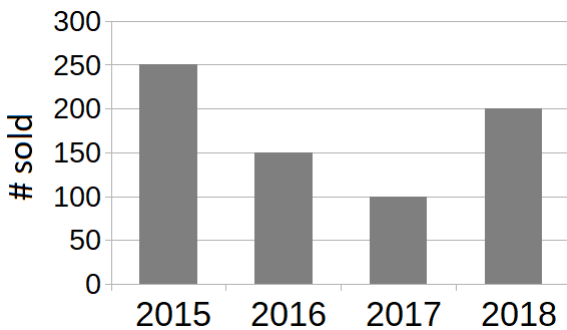
$$0.03 \times 1000 =$$

Name: _____

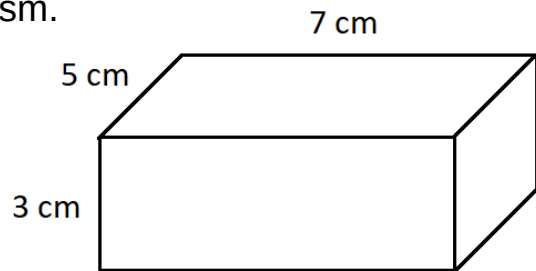
1) The divisor is **7**. The dividend is **364**. What is the quotient?

2) I have 7.2 feet of rope. If I divide it into 8 equal pieces, how long will each piece of rope be?

3) What was the increase in the number of units sold between 2017 and 2018?



4) Find the volume of the rectangular prism.



5) Fill in the missing comparison symbol.

$$\frac{9}{10} \bigcirc \frac{89}{100}$$

6) What number do you get from adding 3 ones, 2 tenths, and 5 hundredths?

7) How many cups are in a gallon?

8) Estimate by rounding each number to the nearest hundred thousand.

$$5,749,600 + 562,300 \approx$$

9) The ratio of green balloons to purple balloons is 7:3. If there are 30 purple balloons, how many balloons are there in all?

10) Solve.

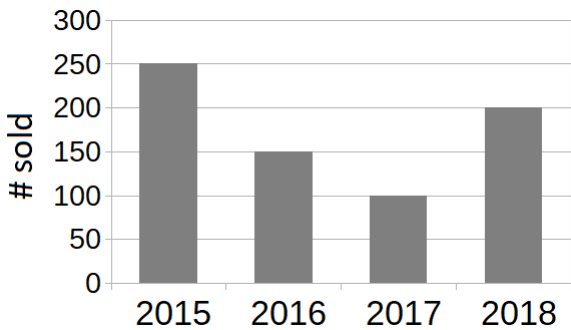
$$0.7 \times 0.7 =$$

Name: _____

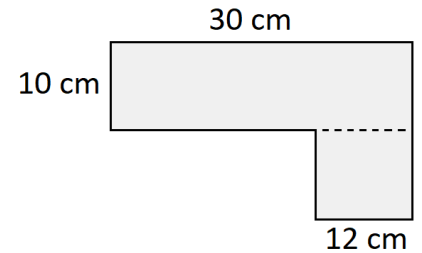
1) What digit is in the ten millions place? **182,305,716**

2) I picked 21.7 kg of cherries. If I put 3 kg in each basket, how many baskets can I make and how much will I have leftover?

3) What was the difference in the number of units sold between the years with the greatest and least sales?



4) The figure is made of a rectangle and a square. Find the area of the shape.



5) Fill in the missing comparison symbol.

$$\frac{17}{35} \bigcirc \frac{1}{2}$$

6) What number do you get from adding 7 ones, 4 tenths, and 4 thousandths?

7) Convert.

$$2 \text{ gal } 5 \text{ c} = \underline{\hspace{2cm}} \text{ c}$$

8) Round **28,501,916** to the nearest million.

9) I flip a coin. What is the probability it will land on heads?

10) Solve.

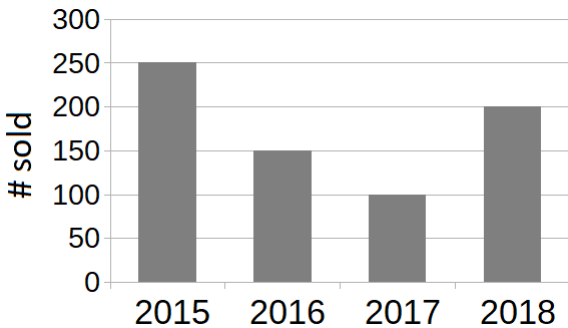
$$30 \times 0.06 =$$

Name: _____

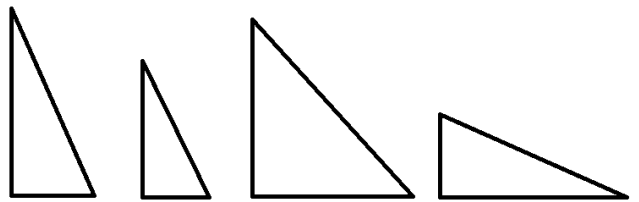
1) List the factors of **12**.

2) There were 98,952 people at the stadium on Saturday and 72,265 on Sunday. About how many more people were there on Saturday than Sunday. Solve by estimating to the nearest thousand.

3) How many units were sold during the 4 year period?



4) Which two triangles are congruent?



5) Write the decimal number as a simplified mixed fraction.

1.72

6) Simplify the decimal number.

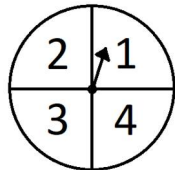
00705.04600

7) How many ounces are in a cup?

8) Estimate by rounding each number to the nearest million.

$$7,615,284 + 12,327,999 \approx$$

9) The spinner is divided into 4 sections. What is the probability it will land on 3?



10) Solve.

$$\begin{array}{r} 598 \\ \times \quad 7 \\ \hline \end{array}$$

Name: _____

1) List the factors of **42**.

2) One hundred twelve boys and 88 girls went to a movie. What percentage of the people at the movie were boys?

3) Use the tally marks to complete the table.

	Month	# Sold
Jan.		Jan.
Feb.		Feb.
Mar.		Mar.
Apr.		Apr.

4) A circle has a diameter of 30 cm. What is the radius?

5) Write the decimal number as a simplified fraction.

0.008

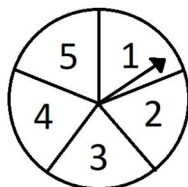
6) Fill in the missing comparison symbol.

0.4 ○ 0.05

7) How many ounces are in a pint?

8) Round $3\frac{7}{8}$ to the nearest whole number.

9) The spinner is divided into 5 sections. What is the probability it will land on a number greater than 3?



10) Solve.

$$\begin{array}{r} 7154 \\ \times \quad 6 \\ \hline \end{array}$$

Name: _____

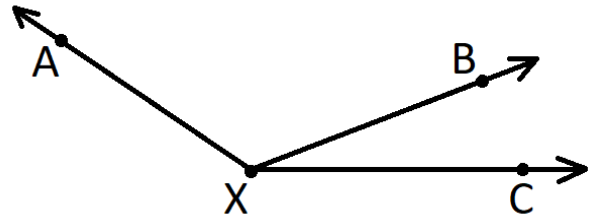
1) What are the common factors of **9** and **27**?

2) I am three fifths as tall as my brother. If I am 99 cm tall, how tall is my brother?

3) In which month were the most books sold?

Month	# Sold
Jan.	18
Feb.	9
Mar.	12
Apr.	21

4) Which angle is an acute angle?



5) Solve the addition problem.

$$13\frac{3}{5} + 2\frac{1}{5} =$$

6) Fill in the missing comparison symbol.

$$6.7 \bigcirc 6.70$$

7) Convert.

$$50 \text{ c} = \underline{\hspace{2cm}} \text{ gal } \underline{\hspace{2cm}} \text{ c}$$

8) Round $17\frac{1}{3}$ to the nearest whole number.

9) If there are 100 people and 53 of them are adults, what percentage of the people are kids?

10) Solve.

$$\begin{array}{r} 42 \\ \times 35 \\ \hline \end{array}$$

Name: _____

1) What are the common factors of **24** and **32**?

2) Eight watermelons together weigh 98 kg. On average, about how much does each watermelon weigh? Round to the nearest tenth.

3) How many books were sold during the 4 month period?

Month	# Sold
Jan.	18
Feb.	9
Mar.	12
Apr.	21

4) Could an equilateral triangle also be a right triangle?

5) Fill in the missing mixed number.

$$3\frac{4}{7} + \boxed{} = 6\frac{2}{7}$$

6) Write the following numbers in ascending order.

2.22, 2.2, 2.02, 2.202

7) How many ounces are in a quart?

8) Round $12\frac{1}{2}$ to the nearest whole number.

9) If 45 people were on time and 5 were late, what percentage were late?

10) Solve.

$$\begin{array}{r} 68 \\ \times 27 \\ \hline \end{array}$$

Name: _____

1) What is the greatest common factor (GCF) of **14** and **21**?

2) I walk 1.5 miles every day. If I walk for 27 days, how far will I have walked?

3) How many more books were sold in April than in January?

Month	# Sold
Jan.	18
Feb.	9
Mar.	12
Apr.	21

4) Could an obtuse triangle also be an isosceles triangle?

5) Solve the subtraction problem. Reduce answer to simplest form.

$$6\frac{7}{8} - 2\frac{5}{8} =$$

6) Write the following numbers in descending order.

5.1, 5.11, 5.111, 5.101

7) Convert.

$$3 \text{ qt} = \underline{\hspace{2cm}} \text{ oz}$$

8) Estimate by rounding each number to the nearest whole number.

$$3\frac{1}{3} + 21\frac{5}{8} + 6\frac{1}{2} \approx$$

9) If 23 seeds sprouted and 2 did not, what percentage of the seeds sprouted?

10) Solve.

$$\begin{array}{r} 473 \\ \times 89 \\ \hline \end{array}$$

Name: _____

1) Use the greatest common factor of **24** and **32** to reduce $\frac{24}{32}$.

2) If I can paint 25 square meters of fence with 4 liters of paint, how much can I paint with one liter?

3) If the number sold in May was twice the number sold in February, how many books were sold in May?

4) Could a right triangle also be a scalene triangle?

Month	# Sold
Jan.	18
Feb.	9
Mar.	12
Apr.	21

5) Solve the subtraction problem.

6) Solve the subtraction problem.

$$4 - \frac{2}{7} =$$

$$5.7 - 3 =$$

7) How many ounces are in a gallon?

8) Round **17.2** to the nearest whole number.

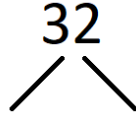
9) A \$1,000 computer is on sale for \$800. What percentage off the full price is the computer discounted?

10) Solve.

$$\begin{array}{r} 597 \\ \times 281 \\ \hline \end{array}$$

Name: _____

1) Factor into prime factors.



2) If 1 liter of juice weighs 1.6 kg, how much does 0.7 liters weigh?

3) If each book sold for \$12, how much money was spent on books in March and April combined?

4) Can a triangle have only one acute angle?

Month	# Sold
Jan.	18
Feb.	9
Mar.	12
Apr.	21

5) What number is $\frac{3}{5}$ of **40**?

6) Solve the addition problem.

$$\begin{array}{r} 14.816 \\ + 3.792 \\ \hline \end{array}$$

7) Convert.

8) Round **35.8** to the nearest whole number.

5 gal = _____ oz

9) I paid \$35 for a \$50 wagon. What percentage off did I get?

10) Solve.

$$\begin{array}{r} 917 \\ \times 684 \\ \hline \end{array}$$

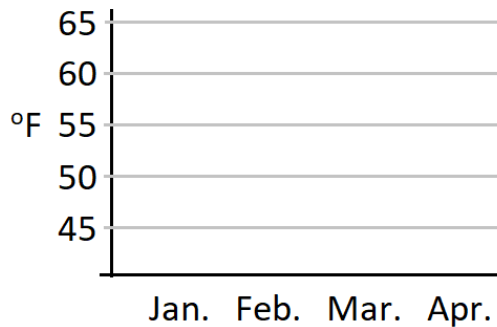
Name: _____

1) The first prime number is **2**. What are the next 5 prime numbers?

2) If 1.7 feet of pipe weighs 6.8 pounds, how much does 1 foot weigh?

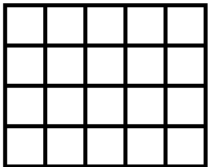
3) Put the data in the table into a line graph.

Month	Temp. (°F)
Jan.	45
Feb.	55
Mar.	65
Apr.	60



4) A half turn equals _____ degrees.

5) Shade the picture to illustrate the multiplication problem, then solve. Write answer as simplified fraction.



$$\frac{1}{4} \times \frac{2}{5} =$$

6) Solve the addition problem.

$$\begin{array}{r} 2.591 \\ + 0.74 \\ \hline \end{array}$$

7) How many grams are in a kilogram?

8) Round **99.5** to the nearest whole number.

9) A \$32 game is on sale for 25% off. How much does it cost?

10) Solve.

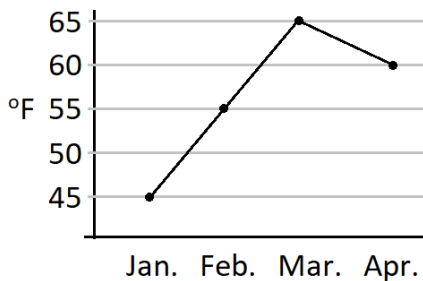
$$4 \overline{) 212}$$

Name: _____

1) Calculate. 3^3

2) My driveway is 8.4 feet long. My neighbor's driveway is 12.6 feet long. How many times longer is my neighbors driveway?

3) What was the average temperature in April?



4) A quarter turn equals _____ degrees.

5) Solve the multiplication problem.

$$\frac{7}{8} \times \frac{5}{6} =$$

6) Solve the addition problem.

$$3.6 + 0.012 =$$

7) Convert.

$$7.23 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

8) Estimate by rounding each number to the nearest whole number.

$$19.762 + 12.48 \approx$$

9) I have 6 pairs of sandals that are 30% of all my shoes. How many pairs of shoes do I have?

10) Solve.

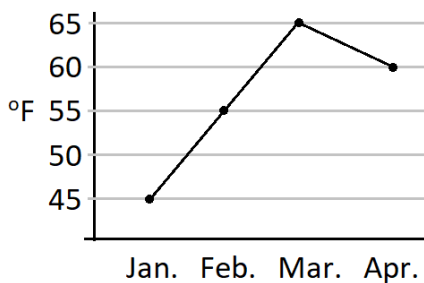
$$6 \overline{)7968}$$

Name: _____

1) Calculate. 2^6

2) Out of 3,000 students, 639 wore glasses. What percentage wore glasses?

3) Did the average temperature increase or decrease between March and April?



4) A complete turn equals _____ degrees.

5) What is the reciprocal of $\frac{3}{5}$?

6) Fill in the missing number.

$$0.63 + \boxed{} = 0.7$$

7) Convert.

$$1,700 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

8) Round **8.76** to the nearest tenth.

9) I got 42 out of 50 problems correct on my test. What percentage did I get correct?

10) Solve.

$$9 \overline{)7713}$$

Name: _____

1) Which number sentence below illustrates the identity property of multiplication?

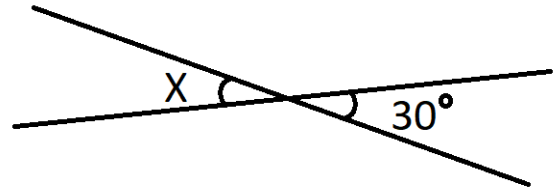
$$5 \times 0 = 0 \quad 5 \times 1 = 5 \quad 5 \times 3 = 3 \times 5$$

2) I can paint 0.7 square feet with 1.4 liters of paint. How much paint do I need in order to paint 3.5 square feet?

3) Fill in the missing numbers in this table.

	kids	adults	total
boys	27	18	
girls	36	31	
total			

4) What is the measure of angle X?



5) Solve the division problem. Simplify answer.

$$\frac{5}{7} \div \frac{1}{7} =$$

6) Solve the addition problem.

$$\begin{array}{r} 3.67 \\ 0.5 \\ + 1.28 \\ \hline \end{array}$$

7) How many milliliters are in a liter?

8) Round **15.819** to the nearest tenth.

9) I am 130 cm tall. The ratio of my sister's height to my height is 0.7. How tall is my sister?

10) Solve.

$$32 \overline{)11392}$$

Name: _____

1) Which number sentence below illustrates the associative property of addition?

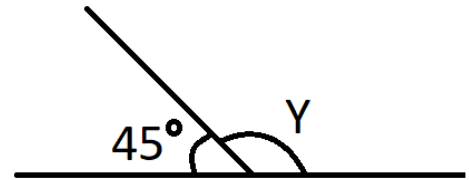
$$5 + 0 = 5 \quad 5 + (1 + 2) = (5 + 1) + 2 \quad 5 + 1 = 1 + 5$$

2) I put some identical books in a box that weighs 1.6 kg when empty. If the filled box weighs 18.5 kg and each book weighs 1.3 kg, how many books are in the box?

3) How many of the people are boys?

	kids	adults	total
boys	27	18	45
girls	36	31	67
total	63	49	112

4) What is the measure of angle Y?



5) Solve the division problem and simplify the result.

$$\frac{2}{3} \div \frac{5}{6} =$$

6) Solve the subtraction problem.

$$4 - 0.75 =$$

7) Convert.

$$3.6 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

8) Estimate by rounding each number to the nearest tenth.

$$1.737 + 0.09 \approx$$

9) There are 1,400 boys at the event. The ratio of girls to boys is 0.7. How many people are at the event?

10) Divide and write the quotient as a mixed fraction.

$$\begin{array}{r} 291 \\ \hline 9 \end{array}$$

Name: _____

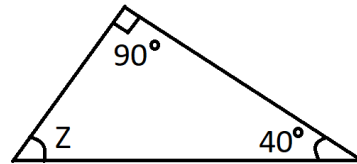
1) Write the numbers in ascending order: $\frac{3}{5}$, 3.0, 0.5

2) The hot water runs at 9.6 liters per minute. The cold water runs at 12.3 liters per minute. If you run them both together for 3.5 minutes, how much water would you use?

3) How many more of the adults are women than men?

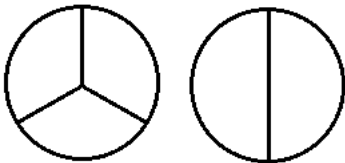
	kids	adults	total
boys	27	18	45
girls	36	31	67
total	63	49	112

4) Find the measure of angle Z.



5) Draw extra lines in the circles to help solve the addition problem.

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



6) Solve the subtraction problem.

$$\begin{array}{r} 7.5 \\ - 3.92 \\ \hline \end{array}$$

7) Convert.

$$4,570 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$$

8) Round **71.324** to the nearest hundredth.

9) There were 20 kids on the playground, then 6 left. What percentage left?

10) Divide and write the quotient as a mixed fraction.

$$8 \overline{)8027}$$

Name: _____

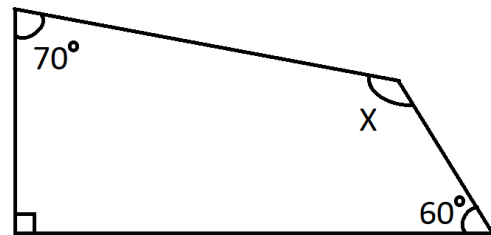
1) Write the numbers in descending order: 17.05 , $17\frac{1}{2}$, 7.1

2) I bought 2 cookies and a popsicle for \$6.65. If a popsicle costs \$0.25 less than a cookie, how much did each cookie cost?

3) How many more kids than adults are there?

	kids	adults	total
boys	27	18	45
girls	36	31	67
total	63	49	112

4) Find the measure of angle X.



5) Solve the addition problem by rewriting the fractions with a denominator of 12. Simplify answer.

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

6) Solve the multiplication problem.

$$\begin{array}{r} 8.7 \\ \times 6 \\ \hline \end{array}$$

7) How many years in a decade?

8) Round **97.525** to the nearest hundredth.

9) There were 30 rose bushes in the garden. Twelve more were added. What percentage of the original amount were added?

10) Find the formula for y.

x	1	2	3	4
y	2	4	6	8

$$y =$$

Name: _____

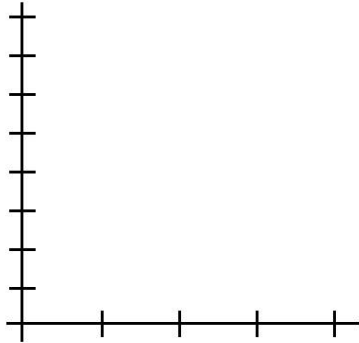
1) What is the least common multiple of **6** and **10**?

2) I can paint 1.6 square meters with 4.8 liters of paint. How much paint do I need to paint 2 square meters?

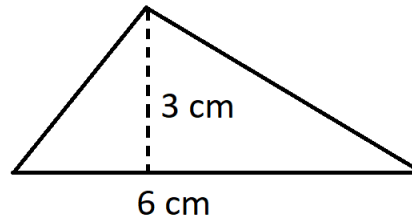
3) Plot the equation.

$$y = 2x + 2$$

x	y
0	
1	
2	
3	



4) Find the area of the triangle.



5) Solve the addition problem.

$$\frac{2}{7} + \frac{1}{3} =$$

6) Solve the multiplication problem.

$$0.7 \times 0.001 =$$

7) How many years are in 7 decades?

8) Round **2459.8173** to the nearest thousandth.

9) There were 70 books on the shelf. Now there are 84. What percentage of the original amount was added?

10) Find the formula for **y**.

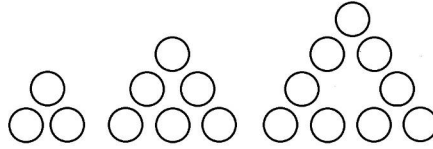
x	4	12	16	24
y	1	3	4	6

$$y =$$

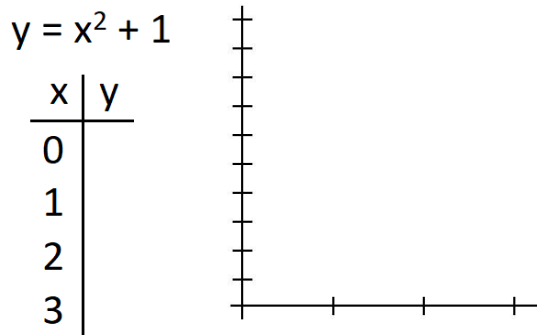
Name: _____

1) Use the least common multiple of **3** and **5** to solve $\frac{1}{3} + \frac{1}{5} =$

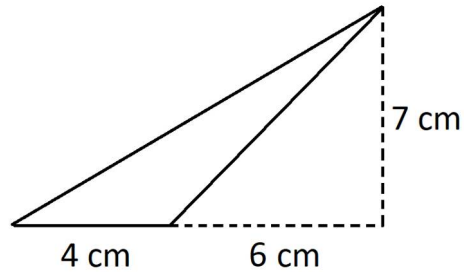
2) Continuing the pattern, how many triangles are needed to make a triangle with 15 circles on each side?



3) Plot the equation.



4) Find the area of the triangle.



5) Solve the addition problem.

$$5 \frac{5}{8} + 2 \frac{1}{12} =$$

6) Solve the multiplication problem.

$$\begin{array}{r} 12.3 \\ \times 0.4 \\ \hline \end{array}$$

7) How many years are in a century?

8) Round **912.5615** to the nearest thousandth.

9) There were 540 people at the carnival. A group arrived and increased the amount by 5%. How many people were in that group?

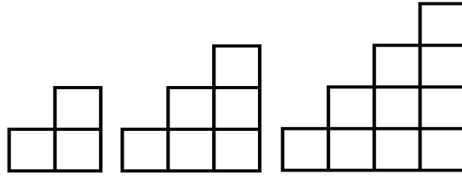
10) Place parenthesis to make the statement true.

$$9 \times 4 = 18 - 6 \times 3$$

Name: _____

1) What is the mean of **12, 9, 5, 11**, and **3**?

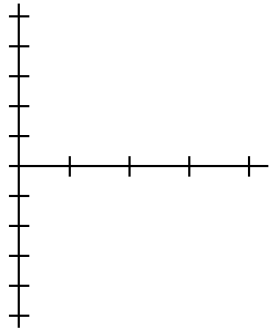
2) Continuing the pattern, how many squares do you need to make a shape with 15 squares on the bottom?



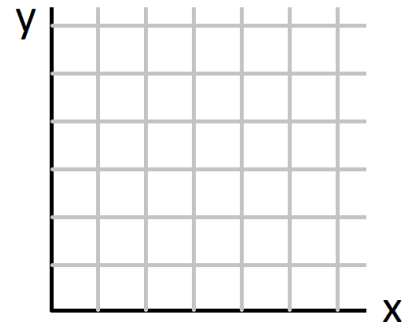
3) Plot the equation.

$$y = x^2 - x - 5$$

x	y
0	
1	
2	
3	



4) Draw a circle with a center point of (3,4) and a radius of 2.



5) Solve the subtraction problem.

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

6) Solve the division problem.

$$3 \overline{) 1.86}$$

7) How many decades are in 9 centuries?

8) Round **0.09999** to the nearest thousandth.

9) There were some kids at the park. Twenty five percent left and now there are 15 kids. How many kids were originally at the park?

10) Find the missing number.

$$58 = (\square - 8) \times 2$$

Name: _____

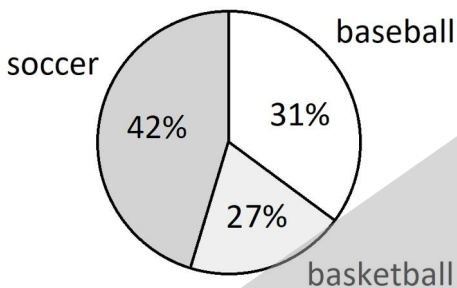
1) What digit is in the hundreds place? **9,173** **1**

2) If I am fourth in line and my friend is 16th, how many people are between us?

11 people (a picture is helpful)

3) Which sport is the most popular?

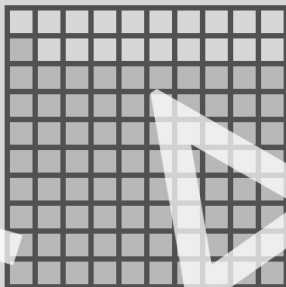
soccer



4) Which of these shapes is not a polygon?

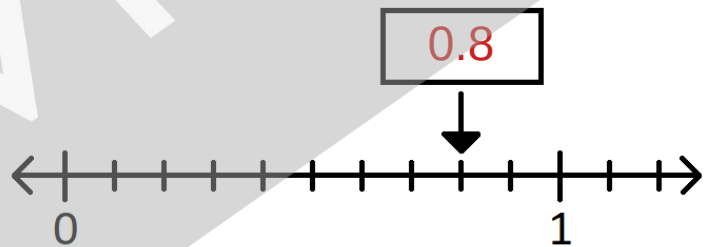


5) Write the shaded part of the square as a fraction.



$\frac{81}{100}$

6) Write the missing number as a decimal.

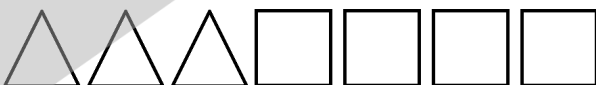


7) How many millimeters are in a centimeter?

10

9) What is the ratio of triangles to squares?

3 : 4



8)

The answer key for all grades is included in my **Patreon membership**.

Individual grade levels can also be purchased on **Etsy**. Thank you for your support!

10)

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About the Author

Hi, I'm Michelle! I have a master's degree and PhD in engineering from Stanford University and a bachelor's degree from Caltech. I am an engineer and computer scientist by trade, but currently I am homeschooling my 4 kids in elementary and middle school while earning my masters of education and secondary teacher's license. In my spare time, I enjoy reading, hiking, and photography.



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