

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

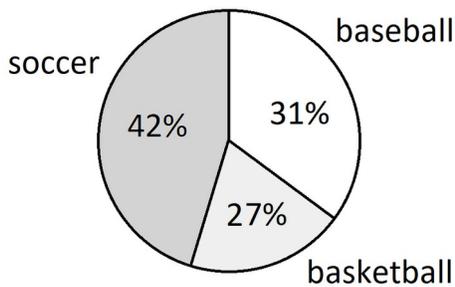
1) What digit is in the hundreds place? **9,173**      **1**

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

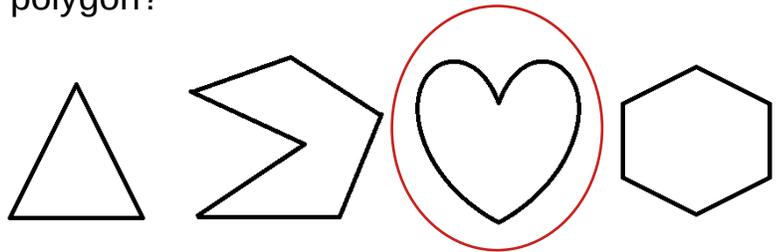
**11 people**

3) Which sport is the most popular?

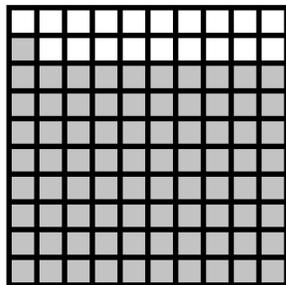
**soccer**



4) Which of these shapes is not a polygon?

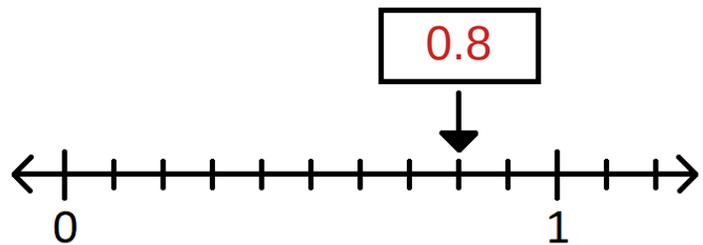


5) Write the shaded part of the square as a fraction.



**$\frac{81}{100}$**

6) Write the missing number as a decimal.



7) How many millimeters are in a centimeter?

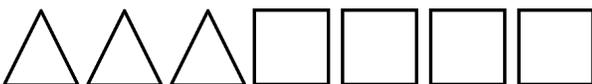
**10**

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

**930**

9) What is the ratio of triangles to squares?

**3 : 4**



10) Add.      **5 1 8 4**

**7 2 3**

**+ 6 0 9 5**

**1 2 0 0 2**

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

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

**952**

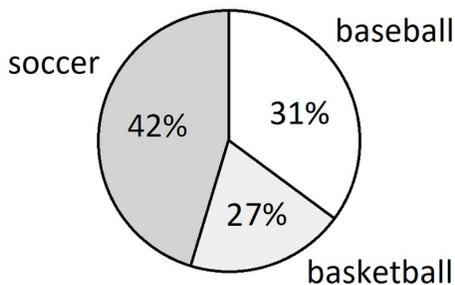
2) I am 8 years older than my brother. My brother is twice as old as my sister. If I am 20 year old, how old is my sister?

Brother:  $20 - 8 = 12$  years

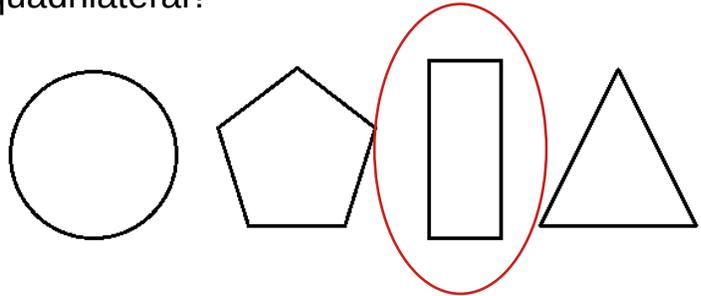
Sister:  $12 \div 2 = 6$  years

3) Which sport is the least popular?

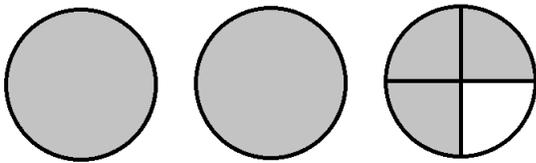
**baseball**



4) Which of these shapes is a quadrilateral?

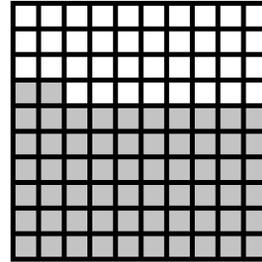


5) Write the shaded amount as a mixed number.



**$2\frac{3}{4}$**

6) Write the shaded part as a decimal.



**62%**

7) How many centimeters are in a meter?

**100**

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

**1,100**

9) What is the ratio of circles to triangles?

**3 : 7**



10) Solve.

$$25 \div (10 \div 2) = 5$$

$$25 \div 5$$

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

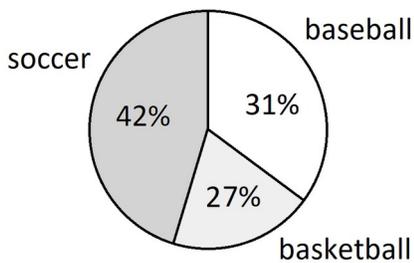
1) Use tally marks to show the number 17.



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

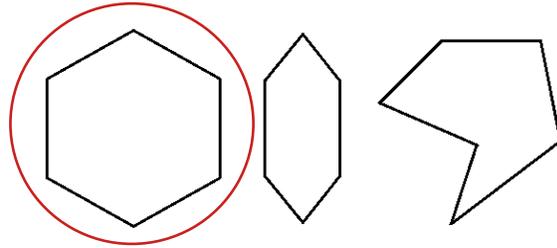
Greens: odd, Blues: even  
60<sup>th</sup>: blue

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



31

4) Which of these hexagons is a regular hexagon?



5) What fraction of the triangles are shaded?



$$\frac{5}{8}$$

0.6

7) Convert.

$$0.6 \text{ m} = \underline{60} \text{ cm}$$

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

$$95 + 62 \approx 160$$
$$100 + 60$$

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

3 : 4 : 3

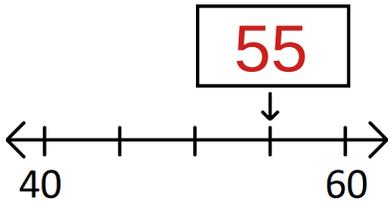


10) Fill in the circle with a comparison symbol.

$$4 \times (3 + 5) \quad \bigcirc \quad (4 \times 3) + 5$$
$$4 \times 8 = 40 \quad \quad \quad 12 + 5 = 17$$

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?

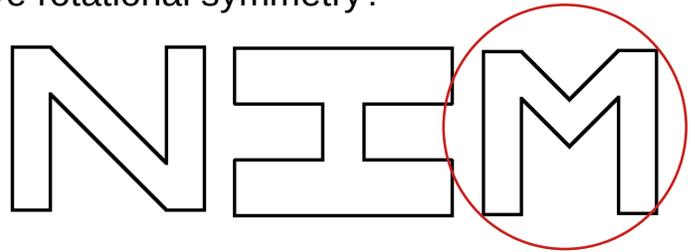
$$42,917 - 39,265 = 3,652$$

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

My Pets	Dog	Cat	Fish	Chicken
Number	1	3	?	8

$$19 - 1 - 3 - 8 = 7$$

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



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

$$\frac{17}{9}$$

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

$$3.9$$

7) Convert.

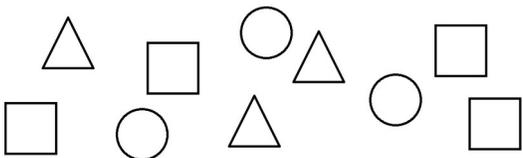
$$13 \text{ m} = \underline{13,000} \text{ mm}$$

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

$$79 + 5 + 64 \approx 150$$
$$80 + 10 + 60$$

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

$$3 : 10$$



10) Subtract

$$\begin{array}{r} 5000 \\ - 1827 \\ \hline 3173 \end{array}$$

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

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

$$42 < 103$$

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?

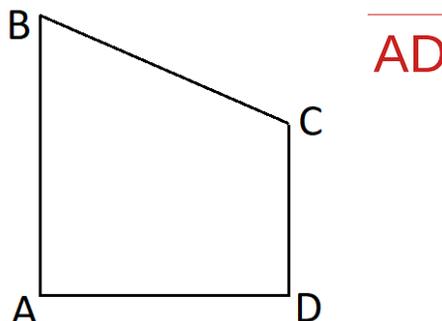
$$7 + 9 + 3 + 5 = 24$$
$$24 \div 4 = 6 \text{ beads}$$

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

My Pets	Dog	Cat	Fish	Chicken
Number	1	3	7	8

chicken

4) Which line segment is perpendicular to  $\overline{AB}$ ?



5) Fill in the missing comparison symbol.

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

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

0.6

7) How many meters are in a kilometer?

1,000

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

700

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

4 : 9



10) Simplify.

$$\frac{1600}{4} = 400$$

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

1) Write the expression and solve for **B**: the product of 7 and B is 21

$$7 \times B = 21 \quad B = 3$$

2) There are 60 birds and one third of them are blue. How many are not birds are not blue?

$$60 \div 3 = 20 \text{ blue birds}$$
$$60 - 20 = 40 \text{ birds}$$

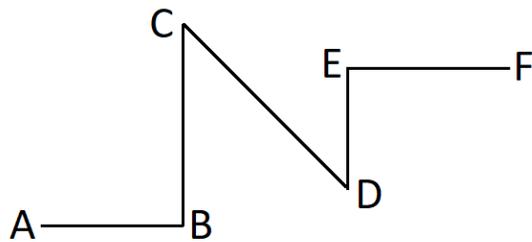
3) How many more fish than dogs do I have?

My Pets	Dog	Cat	Fish	Chicken
Number	1	3	7	8

6

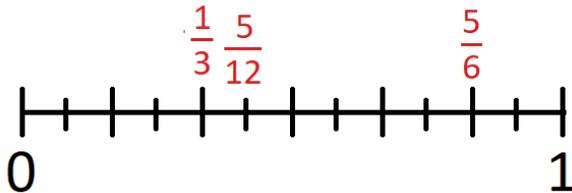
4) Which of these line segments is oblique? \_\_\_\_\_

CD

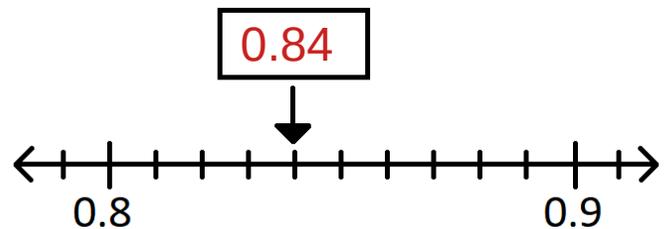


5) Mark the following fractions on the number line.

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



6) Fill in the missing number.



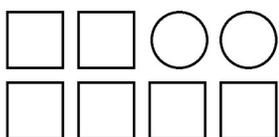
7) Convert.

$$5.3 \text{ km} = \underline{5,300} \text{ m}$$

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

1,600

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



2 : 6

1 : 3

10) Solve for y.

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

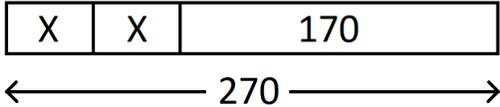
$$y = 0$$

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

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

$$Y \div 9 = 6 \quad Y = 54$$

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



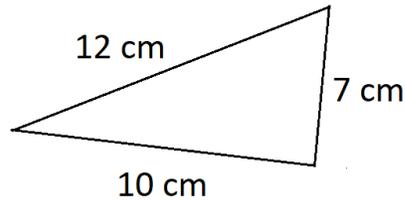
$$x + x + 170 = 270$$
$$2x = 100 \quad x = 50$$

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

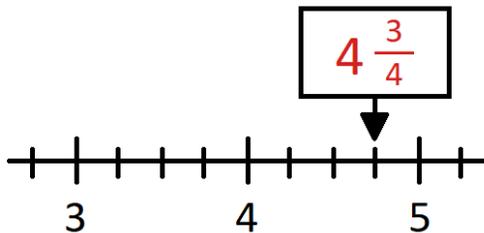
$$19 - 1 + 3 = 21$$

4) What is the perimeter of this triangle?



$$12 + 7 + 10 = 29 \text{ cm}$$

5) Fill in the missing mixed number.



6) Write seven hundredths as a decimal.

0.07

7) Convert.

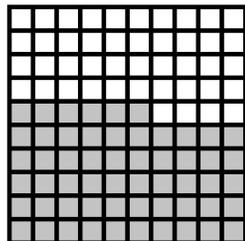
$$750 \text{ m} = \underline{0.75} \text{ km}$$

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

$$1,712 + 568 \approx 2,300$$
$$1,700 + 600$$

9) What percentage of the square is shaded?

56%



10) Solve for y.

$$527 + y = 910$$

$$y = 910 - 527 = 383$$



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

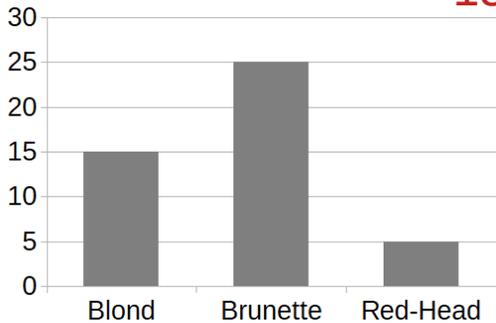
1) Write the number **forty one thousand sixty five.** **41,065**

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

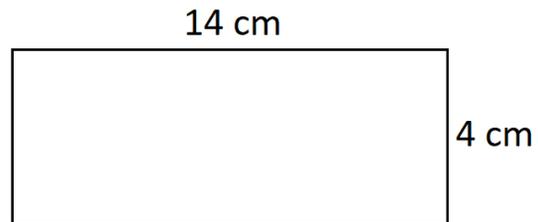
**$\frac{9}{5}$  times fewer horses**

3) How many people in the group are blond?

**15**



4) What is the area of this rectangle?



**$14 \text{ cm} \times 4 \text{ cm} = 56 \text{ cm}^2$**

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

**$2 \times 6 + 5 = 17$**

6) Write twenty four hundredths as a decimal.

**0.24**

7) How many inches are in a foot?

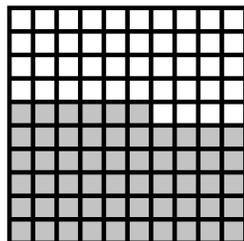
**12**

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

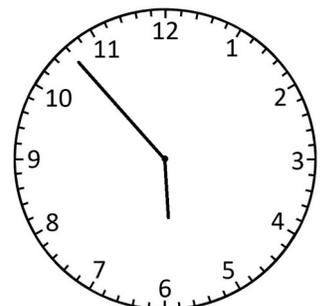
9) What percentage of the square is NOT shaded?

**44%**



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

**5:53 pm**



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

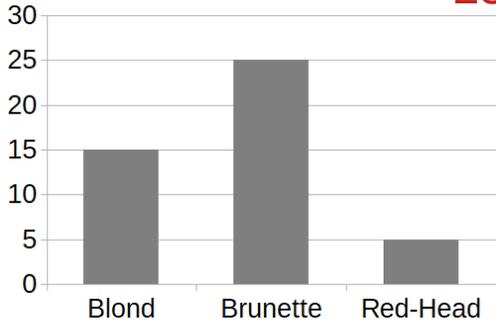
1) What is the eighth term in this sequence? 7, 14, 21, 28,...

$$7 \times 8 = 56$$

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

$$\frac{17}{5} \text{ times more cherries}$$

3) How many people are either blond or brunette? **25**



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

$$12 \div 4 = 3 \text{ cm}$$

5) Write as an improper fraction.

$$3\frac{5}{12} = \frac{41}{12}$$

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

$$0.47$$

7) Convert.

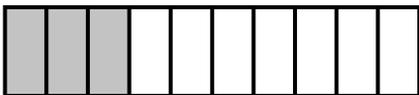
$$5 \text{ ft } 3 \text{ in} = \underline{63} \text{ in}$$

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

$$1,650$$

9) What percentage of the rectangle is shaded?

$$30\%$$



10) Solve.

$$\sqrt{81} = 9$$

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

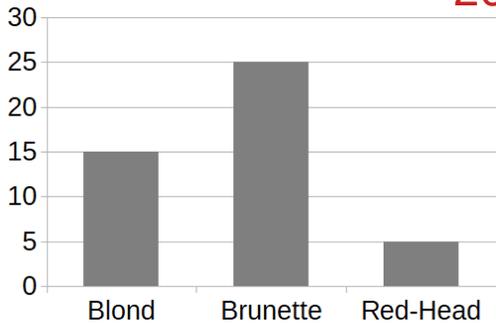
1) What is the largest 4 digit number that uses the digits **1, 5, 2, and 8** exactly once?

**8,521**

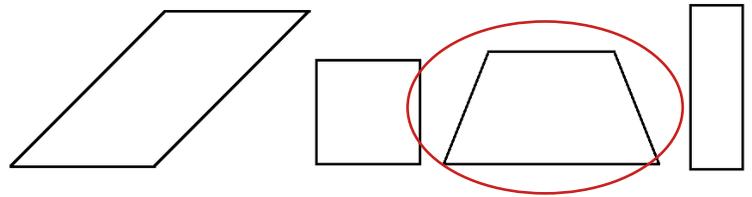
2) I used three quarters pound of butter in my baking today. If I started with one pound, how much butter do I have left?

**$\frac{1}{4}$  pound**

3) How many more people are brunette than red-headed? **20**



4) Which of these quadrilaterals is not a parallelogram?



5) What mixed number is half of 27?

$$\frac{27}{2} = 13\frac{1}{2}$$

6) Write fifteen tenths as a decimal.

**1.5**

7) Convert.

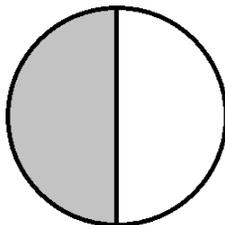
$$45 \text{ in} = \underline{3} \text{ ft } \underline{9} \text{ in}$$

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

**52,000**

9) What percentage of the circle is shaded?

**50%**



10) Complete the number pattern.

56, 49, 42, 35, 28, 21

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

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

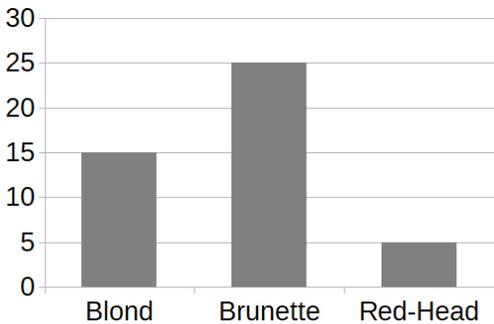
**6,000**

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

$$13 + 22 + 15 = 50$$

$$\frac{13}{50}$$

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



$$52 - 15 - 25 - 5 = 7$$

5) Write the fractions in ascending order.

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

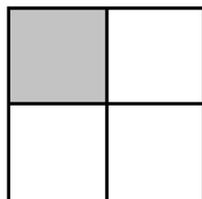
$$\frac{5}{9}, \frac{5}{8}, \frac{5}{5}, \frac{5}{2}$$

7) How many feet are in a yard?

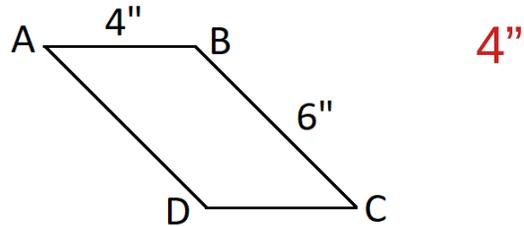
**3**

9) What percentage of the square is shaded?

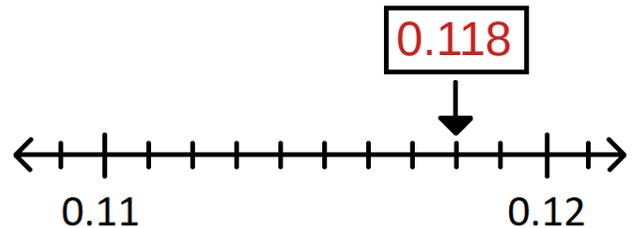
**25%**



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



6) Write the missing number as a decimal.



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

**138,000**

10) Complete the number pattern.

6, 37, 7, 47, 8, 57, 9, 67

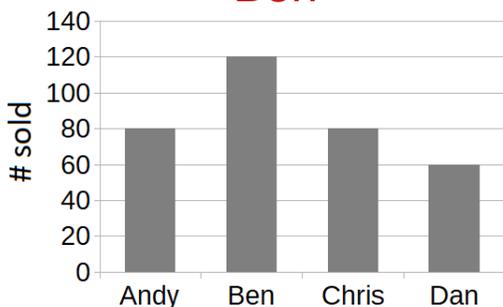
Name: \_\_\_\_\_

1) What digit in **975,241** is in the ten thousands place? **7**

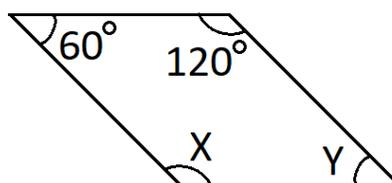
2) Seventeen out of 50 horses on a field are black. What percentage of the horses are black?  
**17 out of 50 equals 34 out of 100** **34%**

3) Who sold the most candy bars?

**Ben**



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



**120°**

5) Write the fractions in descending order.

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

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

6) Write three thousandths as a decimal.

**0.003**

7) Convert.

$$29 \text{ ft} = \underline{9} \text{ yd } \underline{2} \text{ ft}$$

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

$$28,910 + 3,789 \approx \mathbf{33,000}$$
$$29,000 + 4,000$$

9) What percentage of the rectangle is shaded?

**75%**



10) Write the following numbers in descending order.

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



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

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

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

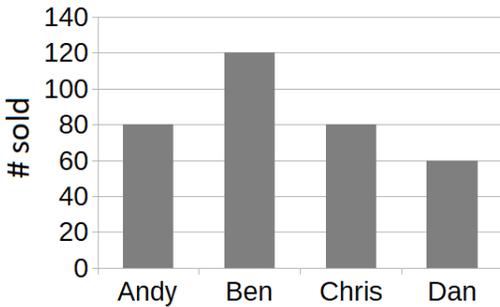
**400,000**

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

$$\frac{3}{12} = \frac{1}{4}$$

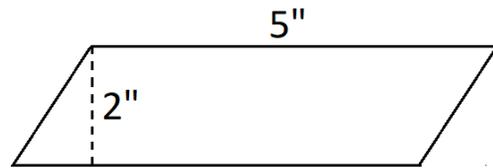
$$1 - \frac{1}{4} - \frac{1}{4} = \frac{1}{2}$$

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



**Andy and Chris**

4) Find the area of this parallelogram.



$$5 \text{ in} \times 2 \text{ in} = 10 \text{ in}^2$$

5) Write the fractions in ascending order.

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

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

6) Write 157 thousandths as a decimal.

**0.157**

7) Convert.

$$7 \text{ yd} = \underline{252} \text{ in}$$

$$21 \times 12 = 252$$

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, 5 00

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

**likely**

10) Write the following numbers in ascending order.

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

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



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

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

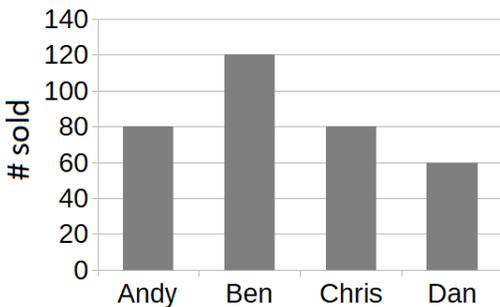
572

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?

$$2/3 = \$50 \rightarrow 1/3 = \$25 \rightarrow \text{total} = \$75$$

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

4) Is a square also a rhombus?



yes

Dan

5) Simplify the fraction.

$$\frac{21}{28} \quad \frac{3}{4}$$

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

2.046

7) How many cups are in a pint?

2

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

65,499

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

certain

10) Fill in the circle with a comparison symbol.

$$-4 \bigcirc -5$$

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

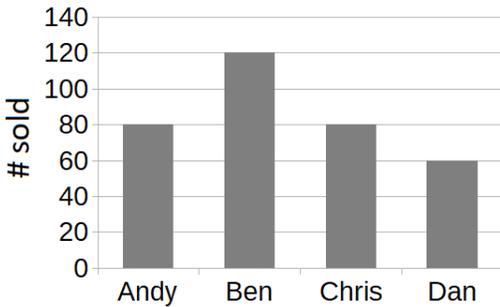
1) What is the largest odd number you can make using the digits 7, 2, 8, and 4 exactly once?

8,427

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?

$320 \div 15 = 21 \text{ R } 5$       21 kids, 5 buttons left over

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



$80 + 120 + 80 + 60 = 340$

4) Is a square also a trapezoid?

yes

5) Find the missing number.

$$\frac{7}{3} = \frac{\boxed{49}}{21}$$

6) Which digit is in the tenths place?

37.815

8

7) How many pints are in a quart?

2

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

530,000

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

unlikely

10) Solve.

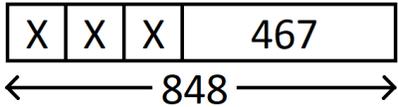
$10 \times 0.07 = 0.7$

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

1) What is the third multiple of 8?

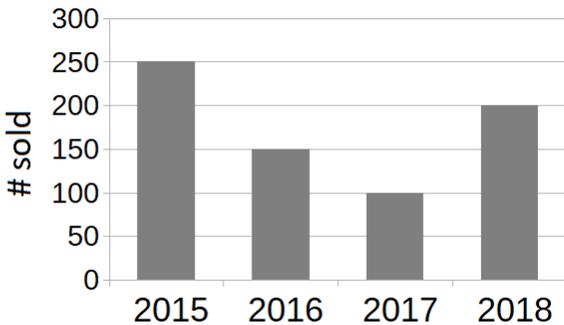
24

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



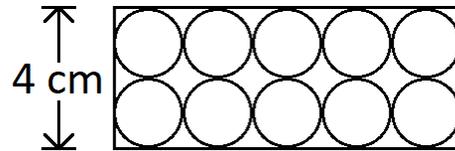
$$x + x + x + 467 = 848$$
$$3x = 381 \quad x = 127$$

3) In which year were the most units sold?



2015

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



$$4 + 10 + 4 + 10 = 28 \text{ cm}$$

5) Find the missing number.

$$\frac{5}{7} = \frac{20}{\boxed{28}}$$

6) Which digit is in the hundredths place?

512.784

8

7) How many cups are in a quart?

4

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

$$512,879 + 24,170 \approx 530,000$$
$$510,000 + 20,000$$

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

600

10) Solve.

$$0.5 \div 100 = 0.005$$

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

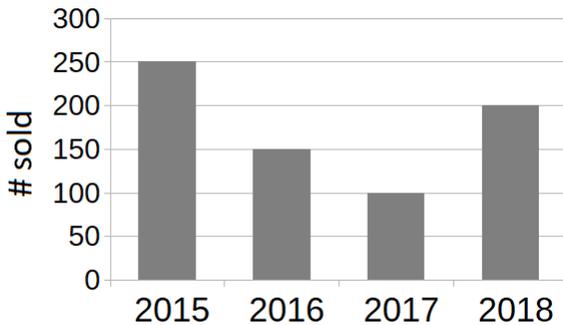
1) Write the number **sixty million one hundred four thousand seven**.

**60,104,007**

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

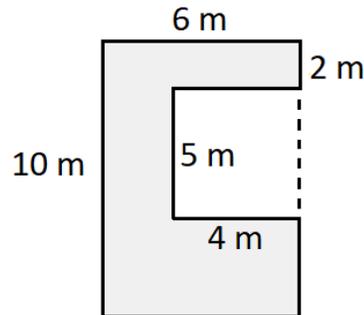
$$\begin{aligned} X &= \text{my buttons} \\ X + X + 42 &= 350 \\ 2X &= 308 \quad X = 154 \end{aligned}$$

3) How many units were sold in 2015?



**250**

4) Find the area of the shape below.



$$\begin{aligned} (6 \times 10) - (5 \times 4) \\ = 60 - 20 \\ = 40 \text{ m}^2 \end{aligned}$$

5) Fill in the missing comparison symbol.

$$\frac{2}{3} \text{ } \textcircled{=} \text{ } \frac{40}{60}$$

6) Which digit is in the thousandths place?

1,548.9372

**7**

7) How many quarts are in a gallon?

**4**

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

**3,500,000**

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

**70**

10) Solve.

$$0.03 \times 1000 = 30$$

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

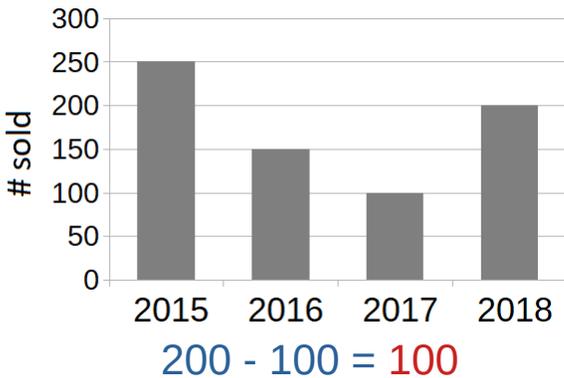
1) The divisor is 7. The dividend is 364. What is the quotient?

$$364 \div 7 = 52$$

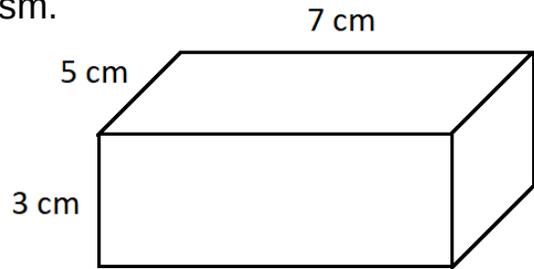
2) I have 7.2 feet of rope. If I divide it into 8 equal pieces, how long will each piece of rope be?

$$7.2 \div 8 = 0.9 \text{ feet}$$

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



4) Find the volume of the rectangular prism.



$$5 \times 7 \times 3 = 105 \text{ cm}^3$$

5) Fill in the missing comparison symbol.

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

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

$$3.25$$

7) How many cups are in a gallon?

$$16$$

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

$$5,700,000 + 600,000$$
$$5,749,600 + 562,300 \approx$$

$$6,300,000$$

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?

$$70$$

10) Solve.

$$0.7 \times 0.7 = 0.49$$

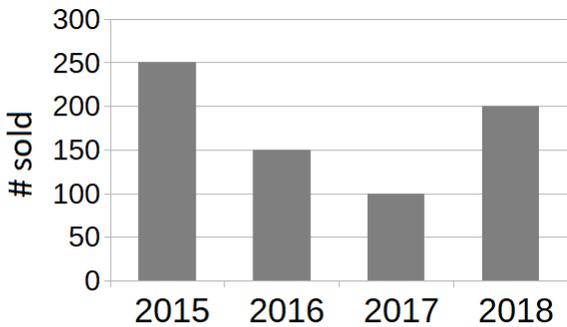
Name: \_\_\_\_\_

1) What digit is in the ten millions place? **182,305,716** **8**

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?

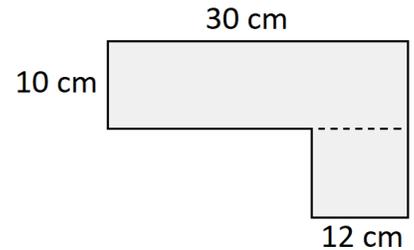
$21.7 \div 3 = 7 \text{ R } 0.7$  **7 baskets, 0.7 kg left over**

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



$250 - 100 = 150$

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



$10 \times 30 + 12 \times 12 = 444 \text{ cm}^2$

5) Fill in the missing comparison symbol.

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

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

**7.404**

7) Convert.

$2 \text{ gal } 5 \text{ c} = \underline{\quad 37 \quad} \text{ c}$

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

**29,000,000**

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

**50%**

10) Solve.

$30 \times 0.06 = 1.8$

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

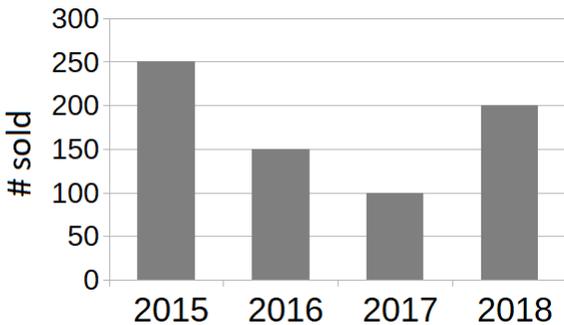
1) List the factors of **12**.

**1, 2, 3, 4, 6, 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.

$$99,000 - 72,000 = 27,000 \text{ people}$$

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



$$250 + 150 + 100 + 200 = 700$$

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

**1.72**

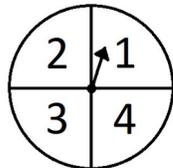
$$1 \frac{72}{100} = 1 \frac{18}{25}$$

7) How many ounces are in a cup?

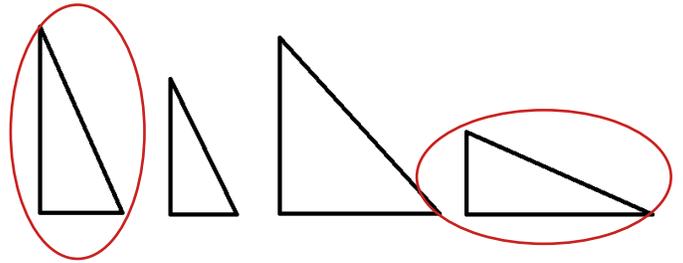
**8**

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

**25%**



4) Which two triangles are congruent?



6) Simplify the decimal number.

00705.04600

**705.046**

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

$$8,000,000 + 12,000,000$$
$$7,615,284 + 12,327,999 \approx$$

**20,000,000**

10) Solve.

$$\begin{array}{r} 598 \\ \times \quad 7 \\ \hline 4186 \end{array}$$

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

1) List the factors of 42.

**1, 2, 3, 6, 7, 14, 21, 42**

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

**112 out of 200 equals 56 out of 100**      **56%**

3) Use the tally marks to complete the table.

	Month	# Sold
Jan.		Jan. <b>18</b>
Feb.		Feb. <b>9</b>
Mar.		Mar. <b>12</b>
Apr.		Apr. <b>21</b>

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

**15 cm**

5) Write the decimal number as a simplified fraction.

**0.008**

$$\frac{8}{1000} = \frac{1}{125}$$

6) Fill in the missing comparison symbol.

0.4 **>** 0.05

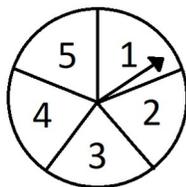
7) How many ounces are in a pint?

**16**

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

**4**

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



**40%**

10) Solve.

$$\begin{array}{r} 7154 \\ \times \quad 6 \\ \hline 42924 \end{array}$$

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

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

1, 3, 9

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

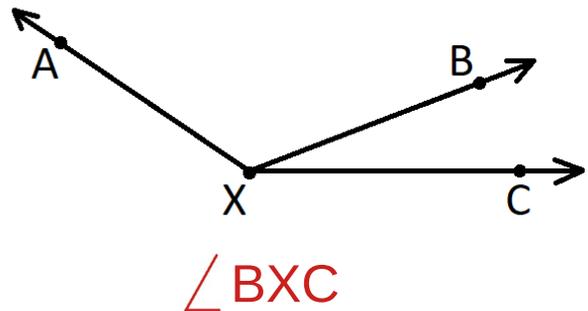
$$\frac{3}{5} = 99 \text{ cm}, \frac{1}{5} = 33 \text{ cm}, \text{ total} = 33 \times 5 = 165 \text{ cm}$$

3) In which month were the most books sold?

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

April

4) Which angle is an acute angle?



5) Solve the addition problem.

$$13\frac{3}{5} + 2\frac{1}{5} = 15\frac{4}{5}$$

6) Fill in the missing comparison symbol.

$$6.7 \text{ ( = ) } 6.70$$

7) Convert.

$$50 \text{ c} = \underline{3} \text{ gal } \underline{2} \text{ c}$$

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

17

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

47%

10) Solve.

$$\begin{array}{r} 42 \\ \times 35 \\ \hline 210 \\ 1260 \\ \hline 1470 \end{array}$$



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

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

1, 2, 4, 8

2) Eight watermelons together weigh 2.3 kg. On average, about how much does each watermelon weigh? Round to the nearest tenth.

$$12.3 \div 8 = 1.5 \text{ kg (rounded to nearest tenth)}$$

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

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

$$18 + 9 + 12 + 21 = 60$$

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

no

5) Fill in the missing mixed number.

$$3\frac{4}{7} + \boxed{2\frac{5}{7}} = 6\frac{2}{7}$$

6) Write the following numbers in ascending order.

2.22, 2.2, 2.02, 2.202

2.02 2.2 2.202 2.22

7) How many ounces are in a quart?

32

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

13

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

$$5 \div 45 \times 100 = 10\%$$

10) Solve.

$$\begin{array}{r} 68 \\ \times 27 \\ \hline 476 \\ 1360 \\ \hline 1836 \end{array}$$

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

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

**7**

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

$$1.5 \times 27 = 40.5 \text{ miles}$$

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

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

$$21 - 18 = 3$$

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

**yes**

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

$$6\frac{7}{8} - 2\frac{5}{8} = 4\frac{1}{4}$$

6) Write the following numbers in descending order.

5.1, 5.11, 5.111, 5.101

**5.1 5.101 5.11 5.111**

7) Convert.

$$3 \text{ qt} = \underline{96} \text{ oz}$$

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

$$3\frac{1}{3} + 21\frac{5}{8} + 6\frac{1}{2} \approx \underline{32}$$

$3 + 22 + 7$

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

$$23 \div 25 \times 100 = 92\%$$

10) Solve.

$$\begin{array}{r} 473 \\ \times 89 \\ \hline 4257 \\ 37840 \\ \hline 42097 \end{array}$$

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

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

$$\frac{24 \div 8}{32 \div 8} = \frac{3}{4}$$

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

$$25 \div 4 = 6.25 \text{ square meters}$$

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?

yes

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

$9 \times 2 = 18$

5) Solve the subtraction problem.

6) Solve the subtraction problem.

$$4 - \frac{2}{7} = 3\frac{5}{7}$$

$$5.7 - 3 = 2.7$$

7) How many ounces are in a gallon?

128

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

17

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

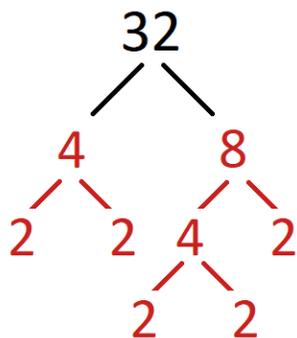
$$200 \div 1000 \times 100 = 20\%$$

10) Solve.

$$\begin{array}{r} 597 \\ \times 281 \\ \hline 597 \\ 47760 \\ 119400 \\ \hline 167757 \end{array}$$

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

1) Factor into prime factors.



One of many possibilities

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

$$0.7 \times 1.6 = 1.12 \text{ kg}$$

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

Month	# Sold	
Jan.	18	$\$12 \times (12 + 21) =$
Feb.	9	$\$12 \times 33 = \$396$
Mar.	12	
Apr.	21	

4) Can a triangle have only one acute angle?

no

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

$$\frac{3}{5} \times 40 = 24$$

6) Solve the addition problem.

$$\begin{array}{r} 14.816 \\ + 3.792 \\ \hline 18.608 \end{array}$$

7) Convert.

$$5 \text{ gal} = \underline{640} \text{ oz}$$

$$128 \times 5 = 640$$

8) Round 35.8 to the nearest whole number.

36

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

$$15 \div 50 \times 100 = 30\%$$

10) Solve.

$$\begin{array}{r} 917 \\ \times 684 \\ \hline 3668 \\ 73360 \\ 550200 \\ \hline 627228 \end{array}$$



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

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

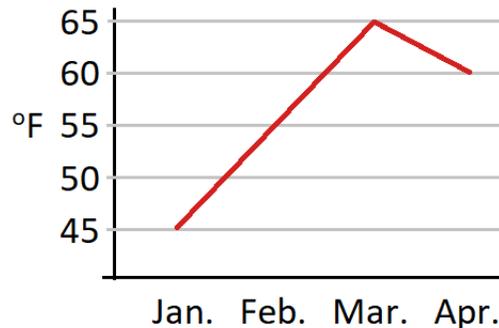
**3, 5, 7, 11, 13**

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

**$6.8 \div 1.7 = 4$  pounds**

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

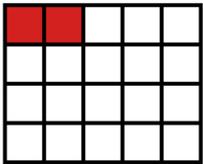
Month	Temp. (°F)
Jan.	45
Feb.	55
Mar.	65
Apr.	60



4) A half turn equals

**180** degrees.

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



$$\frac{1}{4} \times \frac{2}{5} = \frac{2}{20} = \frac{1}{10}$$

6) Solve the addition problem.

$$\begin{array}{r} 2.591 \\ + 0.74 \\ \hline 3.331 \end{array}$$

7) How many grams are in a kilogram?

**1,000**

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

**100**

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

**$\$32 \times 0.75 = \$24$**

10) Solve.

$$\begin{array}{r} 13 \\ 4 \overline{) 212} \\ \underline{- 20} \\ 12 \end{array}$$

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

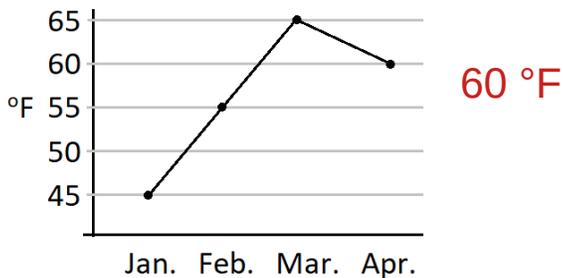
1) Calculate.  $3^3$

$$3 \times 3 \times 3 = 27$$

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?

$$12.6 \div 8.4 = 1.5$$

3) What was the average temperature in April?



4) A quarter turn equals

90 degrees.

5) Solve the multiplication problem.

$$\frac{7}{8} \times \frac{5}{6} = \frac{35}{48}$$

6) Solve the addition problem.

$$3.6 + 0.012 = 3.612$$

7) Convert.

$$7.23 \text{ kg} = \underline{7,230} \text{ g}$$

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

$$20 + 12$$
$$19.762 + 12.48 \approx 32$$

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

$$6 \div 0.30 = 20$$

10) Solve.

$$\begin{array}{r} 1328 \\ 6 \overline{) 7968} \\ \underline{-6} \phantom{00} \\ 19 \phantom{00} \\ \underline{-18} \phantom{00} \\ 16 \phantom{00} \\ \underline{-12} \phantom{00} \\ 48 \phantom{00} \\ \underline{-48} \phantom{00} \\ 0 \phantom{00} \end{array}$$

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

1) Calculate.  $2^6$

$$2 \times 2 \times 2 \times 2 \times 2 = 64$$

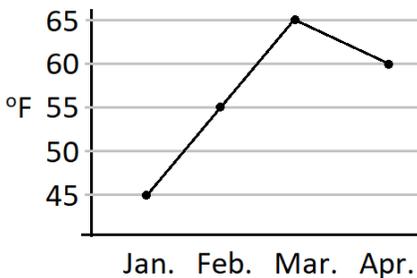
2) Out of 3,000 students, 639 wore glasses. What percentage wore glasses?

$$639 \div 3000 \times 100 = 21.3\%$$

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

4) A complete turn equals

360 degrees.



decrease

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

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

6) Fill in the missing number.

$$0.63 + \boxed{0.07} = 0.7$$

7) Convert.

$$1,700 \text{ g} = \underline{1.7} \text{ kg}$$

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

**8.8**

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

$$42 \div 50 \times 100 = 84\%$$

10) Solve.

$$\begin{array}{r} 857 \\ 9 \overline{) 7713} \\ \underline{- 72} \phantom{00} \\ 51 \phantom{00} \\ \underline{- 45} \phantom{00} \\ 63 \end{array}$$

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

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

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

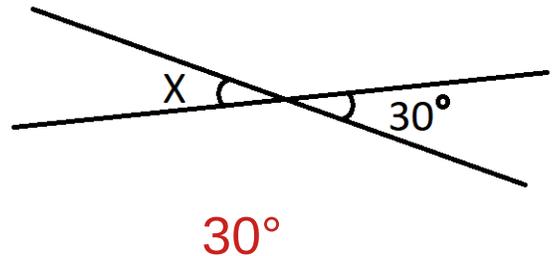
2) I can paint 0.7 square feet with 1.4 liters of paint. How much paint do I need in order to paint 3.5 square feet?

$0.7 \div 1.4 \times 3.5 = 1.75$  liters

3) Fill in the missing numbers in this table.

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

4) What is the measure of angle X?



5) Solve the division problem. Simplify answer.

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

6) Solve the addition problem.

$$\begin{array}{r} 3.67 \\ 0.5 \\ + 1.28 \\ \hline 5.45 \end{array}$$

7) How many milliliters are in a liter?

1,000

8) Round 15.819 to the nearest tenth.

15.8

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

$130 \times 0.7 = 91$

10) Solve.

$$\begin{array}{r} 356 \\ 32 \overline{) 11392} \\ \underline{- 96} \\ 179 \\ \underline{- 160} \\ 192 \end{array}$$



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

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

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

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?

$18.5 - 1.6 = 16.9$  kg

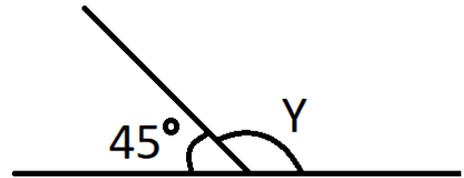
$16.9 \div 1.3 = 13$  books

3) How many of the people are boys?

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

45

4) What is the measure of angle Y?



$180 - 45 = 135^\circ$

5) Solve the division problem and simplify the result.

$\frac{2}{3} \div \frac{5}{6} = \frac{2}{3} \times \frac{6}{5} = \frac{4}{5}$

6) Solve the subtraction problem.

$4 - 0.75 = 3.25$

7) Convert.

$3.6 \text{ L} = \underline{3,600} \text{ mL}$

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

$1.737 + 0.09 \approx 1.8$   
 $1.7 + 0.1$

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?

Girls:  $1400 \times 0.7 = 980$

Total:  $980 + 1400 = 2,380$

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

$\frac{291}{9} = 32\frac{1}{3}$

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

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

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?

Total rate =  $9.6 + 12.3 = 21.9$  liters per minute

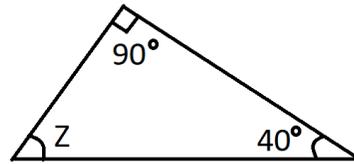
$21.9 \times 3.5 = 76.65$  liters

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

$31 - 18 = 13$

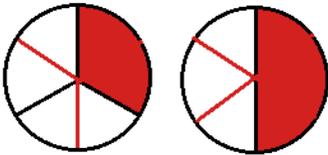
4) Find the measure of angle Z.



$180 - 90 - 40 = 50^\circ$

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

$\frac{1}{3} + \frac{1}{2} = \frac{5}{6}$



6) Solve the subtraction problem.

$$\begin{array}{r} 7.5 \\ - 3.92 \\ \hline 3.58 \end{array}$$

7) Convert.

4,570 ml = 4.57 L

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

**71.32**

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

$6 \div 20 \times 100 = 30\%$

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

$$\begin{array}{r} 8 \overline{)8027} \\ 1,003 \frac{3}{8} \end{array}$$



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

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

$17\frac{1}{2}$ ,  $17.05$ ,  $7.1$

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?

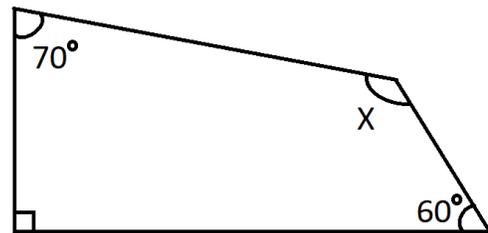
$$\begin{aligned} \text{Cost of cookie} &= x & 2x + x - 0.25 &= 6.65 \\ 3x &= 6.9 & x &= \$2.30 \end{aligned}$$

3) How many more kids than adults are there?

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

$$63 - 49 = 14$$

4) Find the measure of angle X.



$$360 - 70 - 90 - 60 = 140^\circ$$

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

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

$$\frac{9}{12} + \frac{4}{12} = 1\frac{1}{12}$$

7) How many years in a decade?

10

6) Solve the multiplication problem.

$$\begin{array}{r} 8.7 \\ \times 6 \\ \hline 52.2 \end{array}$$

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

97.53

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

$$12 \div 30 \times 100 = 40\%$$

10) Find the formula for y.

x	1	2	3	4
y	2	4	6	8

$$y = 2x$$

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

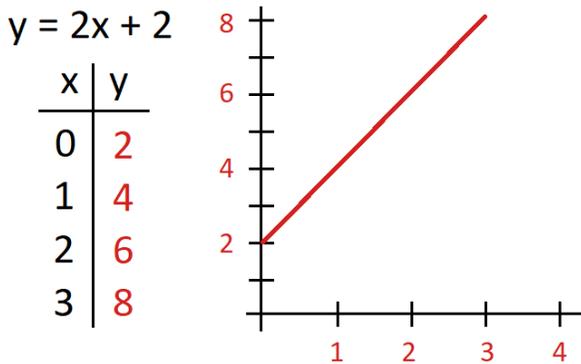
1) What is the least common multiple of **6** and **10**?

**30**

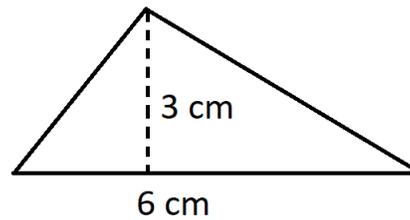
2) I can paint 1.6 square meters with 4.8 liters of paint. How much paint do I need to paint 2 square meters?

$$4.8 \div 1.6 \times 2 = 6 \text{ liters}$$

3) Plot the equation.



4) Find the area of the triangle.



$$\frac{1}{2} \times 6 \times 3 = 9 \text{ cm}^2$$

5) Solve the addition problem.

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

$$\frac{6}{21} + \frac{7}{21} = \frac{13}{21}$$

6) Solve the multiplication problem.

$$0.7 \times 0.001 = 0.0007$$

7) How many years are in 7 decades?

**70**

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

**2459.817**

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

$$14 \div 70 \times 100 = 20\%$$

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

x	4	12	16	24
y	1	3	4	6

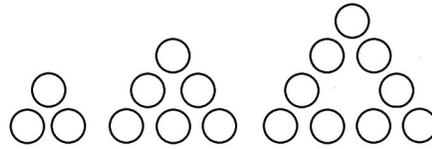
$$y = x \div 4$$



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

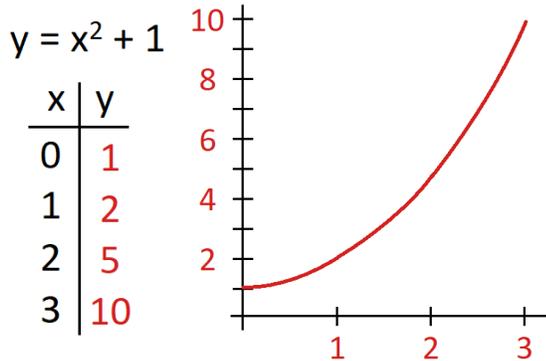
1) Use the least common multiple of 3 and 5 to solve  $\frac{1}{3} + \frac{1}{5} = \frac{5}{15} + \frac{3}{15} = \frac{8}{15}$

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

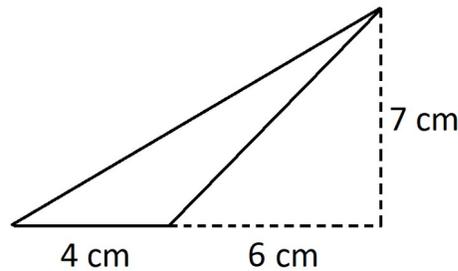


$x =$  circles on one side  
circles needed =  $3x - 3$   
 $3 \times 15 - 3 = 42$

3) Plot the equation.



4) Find the area of the triangle.



$\frac{1}{2} \times 4 \times 7 = 14 \text{ cm}^2$

5) Solve the addition problem.

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

$5 \frac{15}{24} + 2 \frac{2}{24} = 7 \frac{17}{24}$

6) Solve the multiplication problem.

$$\begin{array}{r} 12.3 \\ \times 0.4 \\ \hline 4.92 \end{array}$$

7) How many years are in a century?

100

8) Round 912.5615 to the nearest thousandth.

912.562

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

$540 \times 1.05 = 567$

10) Place parenthesis to make the statement true.

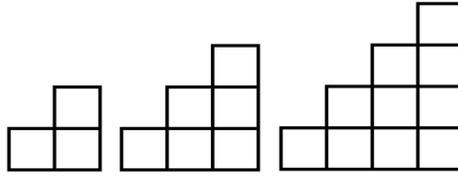
$9 \times 4 = (18 - 6) \times 3$

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

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

$$12 + 9 + 5 + 11 + 3 = 40$$
$$40 \div 5 = 8$$

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

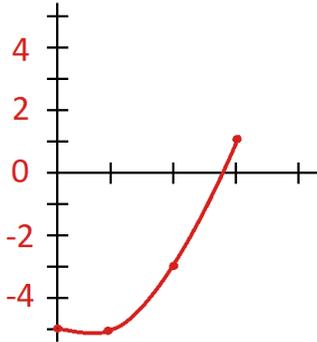


$$15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 = 120$$

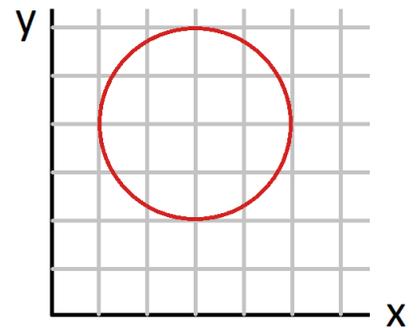
3) Plot the equation.

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

x	y
0	-5
1	-5
2	-3
3	1



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



5) Solve the subtraction problem.

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

$$2 \frac{3}{15} - \frac{5}{15} = 1 \frac{13}{15}$$

6) Solve the division problem.

$$3 \overline{) 1.86} \begin{array}{r} 0.62 \end{array}$$

7) How many decades are in 9 centuries?

**900**

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

**0.100**

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?

$$15 \div 0.75 = 20$$

10) Find the missing number.

$$58 = (\boxed{37} - 8) \times 2$$