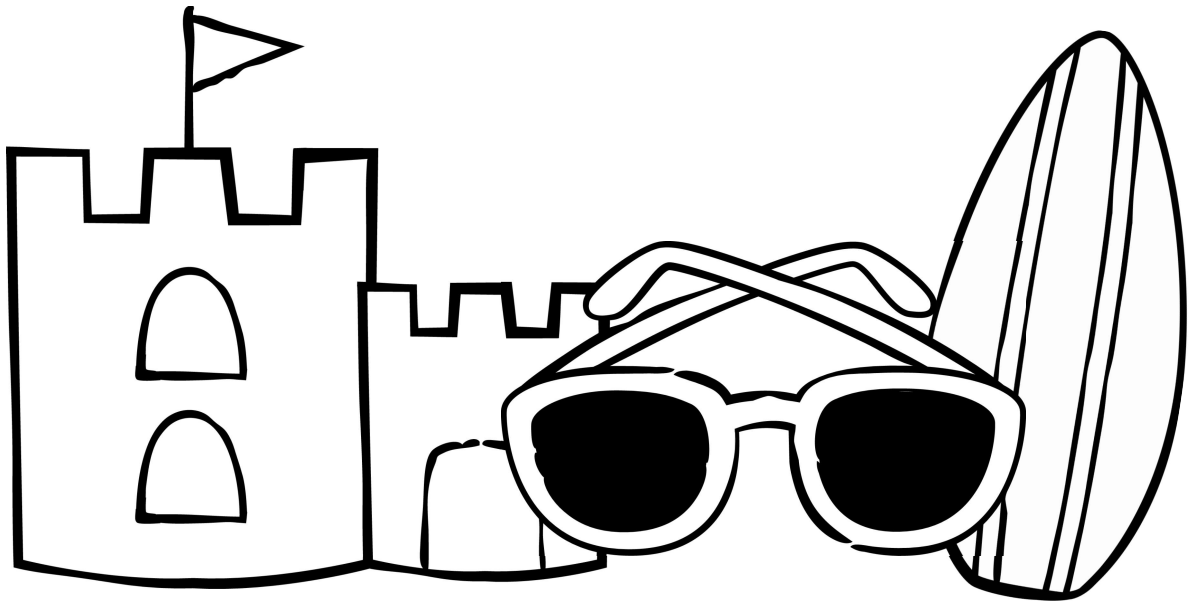




7TH GRADE MATH

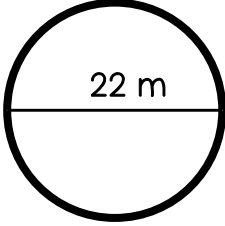
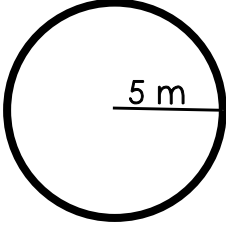
Summer Review Packet

NAME: _____



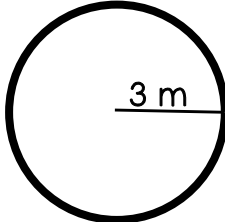
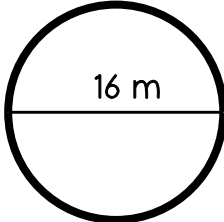
Name: _____

SUMMER MATH REVIEW *Week One*

| | |
|-----------|---|
| MONDAY | <p>Find the circumference of each figure:</p> <div></div> |
| TUESDAY | <p>Alexa is mixing pink paint. The ratio of white to red paint is 2:5. If she needs 49 quarts of pink paint, how much white paint does she need? How much red paint does she need?</p> |
| WEDNESDAY | <p>Solve each equation. Show all work.</p> <div>$x - 12 = -45$$-54 = x + 17$</div> |
| THURSDAY | <p>What is the mean of the data set below? 16, 14, 29, 11, 18, 22, 20, 20</p> |
| FRIDAY | <p>Compare each pair of numbers using $<$, $>$ or $=$</p> <div>-0.7 ___ -0.6 $-1/2$ ___ $-1/3$ $-2/5$ ___ -0.3</div> |

Name: _____

SUMMER MATH REVIEW *Week Two*

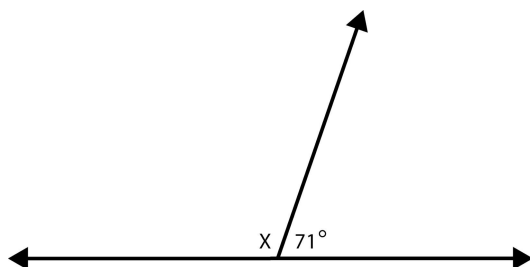
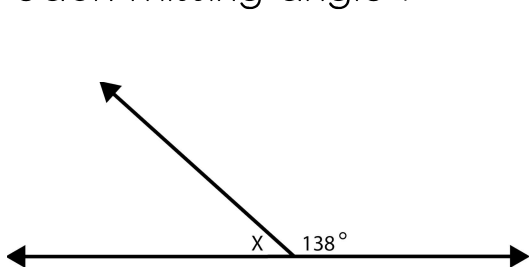
| | | | | |
|-----------------------------|---|-----------------------------|-----------------------------|-----------------------------|
| MONDAY | Find the area of each figure: <div><div></div><div></div></div> | | | |
| TUESDAY | Decide whether each pair of fractions are proportional. <table><tr><td>$\frac{2}{5}, \frac{5}{10}$</td><td>$\frac{4}{6}, \frac{8}{12}$</td><td>$\frac{2}{5}, \frac{3}{15}$</td></tr></table> | $\frac{2}{5}, \frac{5}{10}$ | $\frac{4}{6}, \frac{8}{12}$ | $\frac{2}{5}, \frac{3}{15}$ |
| $\frac{2}{5}, \frac{5}{10}$ | $\frac{4}{6}, \frac{8}{12}$ | $\frac{2}{5}, \frac{3}{15}$ | | |
| WEDNESDAY | Solve each equation. Show all work. <div>$16x = -448$$\frac{x}{-9} = -18$</div> | | | |
| THURSDAY | Find the mean and the median of the data set: 14, 22, 65, 13, 22, 14 | | | |
| FRIDAY | Evaluate each expression. $-3 + (-9) =$ $-12 + (-29) =$ $-53 + (-42) =$ | | | |

Name: _____

SUMMER MATH REVIEW *Week Three*

MONDAY

Find each missing angle:.



TUESDAY

Solve each proportion.

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

$$\frac{x}{21} = \frac{36}{54}$$

$$\frac{40}{56} = \frac{x}{84}$$

WEDNESDAY

Solve each equation. Show all work.

$$-5x + 16 = 31$$

$$9x - 30 = -51.6$$

THURSDAY

Find the range of each data set.

25, 16, 19, 52, 29

81, 24, 59, 60, 54

0.11, 0.4, 0.25, 0.02, 0.7

FRIDAY

Evaluate each expression.


$$-14 + 8 =$$

$$12 + (-32) =$$

$$-46 + 102 =$$


Name: _____

SUMMER MATH REVIEW *Week Four*

| | | | | | |
|--------------------|--|--|--|--------------------|------------------------------|
| MONDAY | Find each missing angle:  | | | | |
| TUESDAY | Use the percent equation ($a = p \cdot w$) to solve each problem. Show all work. <table border="1" data-bbox="170 672 1550 903"><tr><td>What is 42% of 90?</td><td>29.75 is 35% of what number?</td></tr></table> | | | What is 42% of 90? | 29.75 is 35% of what number? |
| What is 42% of 90? | 29.75 is 35% of what number? | | | | |
| WEDNESDAY | Solve each equation. Show all work. <div data-bbox="373 987 625 1081">$\frac{x}{4} - 9 = -12$</div> <div data-bbox="1039 987 1356 1081">$\frac{x}{-7} + 26 = -50$</div> | | | | |
| THURSDAY | Find the Interquartile Range of the data set. 15, 22, 16, 10, 5, 10, 5, 8 | | | | |
| FRIDAY | Evaluate each expression. <div data-bbox="235 1732 527 1795">$-24 - 16 =$</div> <div data-bbox="722 1732 974 1795">$53 - 98 =$</div> <div data-bbox="1120 1732 1502 1795">$-45 - (-92) =$</div> | | | | |

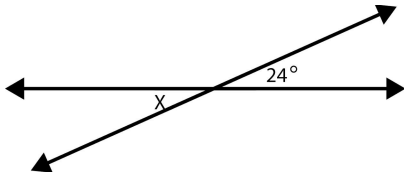
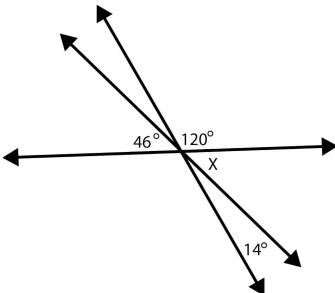
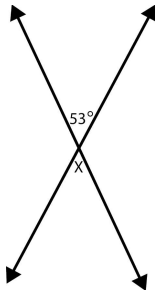
Name: _____

SUMMER MATH REVIEW *Week Five*

| | | | |
|--------------------|--|--------------------|----------------------------|
| MONDAY | <p>Find each missing angle:</p>  | | |
| TUESDAY | <p>Use the percent proportion to solve each problem. Show all work.</p> <table><tr><td>What is 63% of 98?</td><td>24 is what percent of 150?</td></tr></table> | What is 63% of 98? | 24 is what percent of 150? |
| What is 63% of 98? | 24 is what percent of 150? | | |
| WEDNESDAY | <p>Simplify each expression:</p> $-5b + 22b - 2b \qquad 5(x + 2) - 3x \qquad 12y - 15y + 14y$ | | |
| THURSDAY | <p>Find the Mean Absolute Deviation of the data set. 10, 15, 15, 10, 20</p> | | |
| FRIDAY | <p>Evaluate each expression.</p> $-4(32) = \qquad \frac{-49}{-7} = \qquad 18(-23) =$ | | |

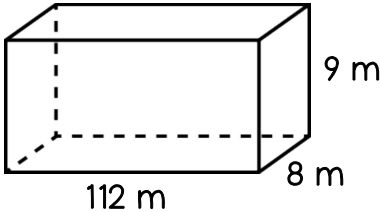
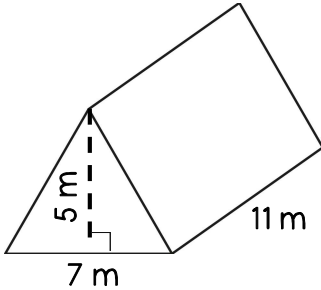
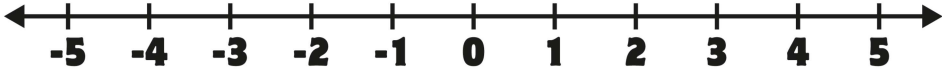
Name: _____

SUMMER MATH REVIEW *Week Six*

| | | | |
|-----------|--|--|---|
| MONDAY | Find each missing angle: | | |
| |  |  |  |
| TUESDAY | The tax rate where Mason lives is 8.5%. He spends \$24.56 on school supplies. How much is the tax? How much does he pay in all? Round your answer to the nearest cent. | | |
| WEDNESDAY | Simplify each expression: | | |
| | $(2x^2 + 3x + 4) + (5x^2 - 4x + 2)$ | $(15x + 19) - (22x - 10)$ | |
| THURSDAY | This summer it was over 90° for 25% of the days in July. Describe the likelihood of the temperature being over 90° . Describe the likelihood of the temperature being below 90°. | | |
| FRIDAY | Evaluate each expression when $a = -3$, $b = 6$ and $c = -4$ | | |
| | $3a + 2b$ | $a + b - c$ | $5c - 2a$ |

Name: _____

SUMMER MATH REVIEW *Week Seven*

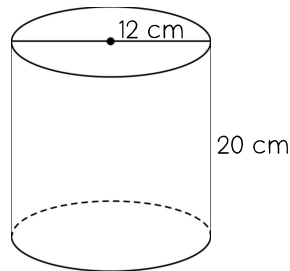
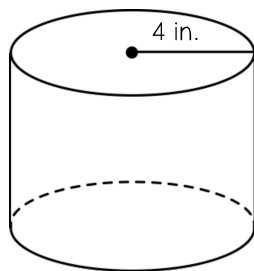
| | |
|-----------|---|
| MONDAY | <p>Find the volume of each figure:</p> <div></div> <div></div> |
| TUESDAY | <p>Daisy's bill at the restaurant is \$46.50. She wants to leave a 20% tip. How much is the tip?</p> |
| WEDNESDAY | <p>Solve and graph the inequality.</p> <p>$x - 5 \geq -6$</p> <div></div> |
| THURSDAY | <p>Miles makes 15 out of 20 free throws. If the trend continues, what is the probability that Miles will make a free throw?</p> |
| FRIDAY | <p>Write each fraction as a decimal. Indicate if it is a terminating or repeating decimal.</p> <div>$\frac{16}{30}$</div> <div>$\frac{12}{40}$</div> |

Name: _____

SUMMER MATH REVIEW *Week Eight*

MONDAY

Find the volume of each figure:



TUESDAY

Find each sale price:

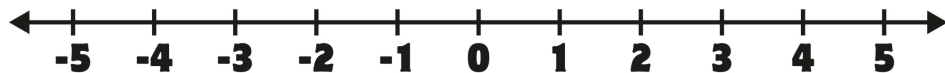
A pair of jeans costs \$45.60.
They are 40% off.

A set of headphones cost \$129.
They are 30% off

WEDNESDAY

Solve and graph the inequality. Show all work.

$$\frac{x}{-1} \leq 3$$



THURSDAY

There is a $\frac{1}{5}$ chance that a student will be in Mrs. Turner's math class. If there are 30 students in her class, how many students are there in all?

FRIDAY

Evaluate each expression:

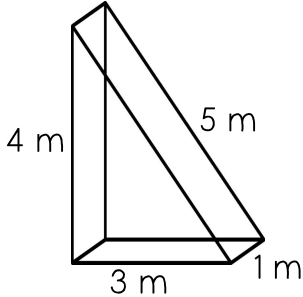
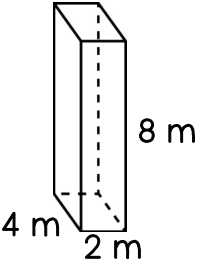
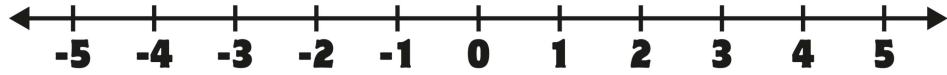
$$-1.4 + 9.8 =$$

$$-0.32 + (-0.4) =$$

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

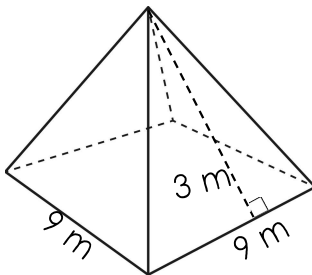
Name: _____

SUMMER MATH REVIEW *Week Nine*

| | |
|-----------|---|
| MONDAY | <p>Find the surface area of each figure:</p> <div></div> <div></div> |
| TUESDAY | <p>A store purchases sweaters for \$15 each. The percent markup is 40%. What is the selling price of the sweater?</p> |
| WEDNESDAY | <p>Solve and graph the inequality. Show all work.</p> $-2x + 3 \leq 2$ <div></div> |
| THURSDAY | <p>You have shirts that are gray, white and blue. You have pants that are blue, black, white and gray. Find the total number of possible outcomes.</p> |
| FRIDAY | <p>Evaluate each expression</p> $-1.25 - 96 = \quad -0.3 - (-0.9) = \quad -\frac{1}{9} - \frac{3}{8} =$ |

Name: _____

SUMMER MATH REVIEW *Week Ten*

| | | | | |
|---------------|--|----------------|------------------------|----------------|
| MONDAY | Find the surface area of the figure:  | | | |
| TUESDAY | Find the slope of the line that passes through each pair of points. (-9,8) and (-10,9) (-3,4) and (3,4) | | | |
| WEDNESDAY | Use the distributive property to simplify each expression <table><tr><td>$-5(2g - 3h)$</td><td>$\frac{1}{3}(2x - 6y)$</td><td>$1.5(3a - 5b)$</td></tr></table> | $-5(2g - 3h)$ | $\frac{1}{3}(2x - 6y)$ | $1.5(3a - 5b)$ |
| $-5(2g - 3h)$ | $\frac{1}{3}(2x - 6y)$ | $1.5(3a - 5b)$ | | |
| THURSDAY | You roll a 6 sided number cube and flip a coin. What is the probability of rolling a number greater than 2 and flipping a heads? | | | |
| FRIDAY | Evaluate each expression $-4.25 \times -10.5 =$ $-\frac{2}{3} \times \frac{3}{4} =$ $-1\frac{1}{5} \div 2\frac{3}{7} =$ | | | |