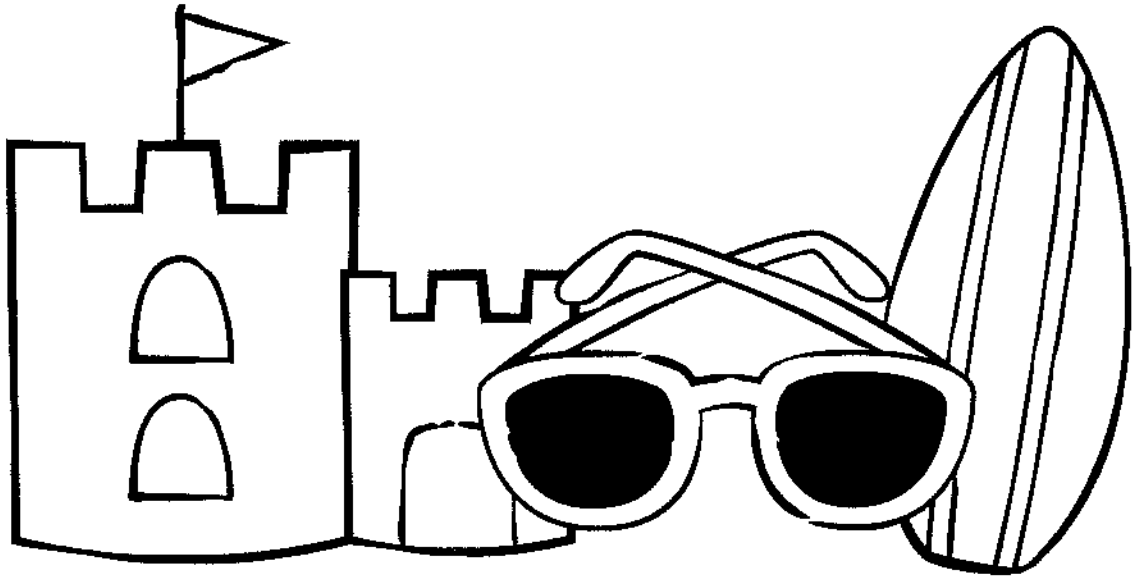
7TH GRADE MATH

Summer Review Packet

NAME: _____

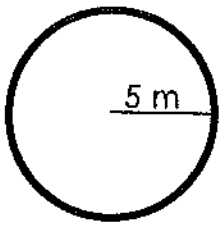


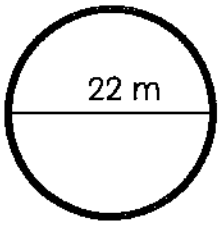
Name: _____

SUMMER MATH REVIEW Week one

MONDAY

Find the circumference of each figure:





TUESDAY

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?

WEDNESDAY

Solve each equation. Show all work.

$x - 12 = -45$ $-54 = x + 17$

THURSDAY

What is the mean of the data set below?

16, 14, 29, 11, 18, 22, 20, 20

FRIDAY

Compare each pair of numbers using <, > or =

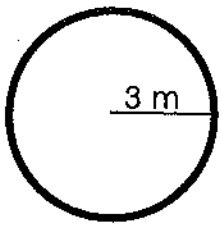
-0.7 __ -0.6 -1/2 __ -1/3 -2/5 __ -0.3

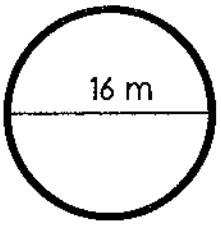
Name: _____

SUMMER MATH REVIEW Week Two

MONDAY

Find the area of each figure:





TUESDAY

Decide whether each pair of fractions are proportional.

$\frac{2}{5}, \frac{5}{10}$	$\frac{4}{6}, \frac{8}{12}$	$\frac{2}{5}, \frac{3}{15}$

WEDNESDAY

Solve each equation. Show all work.

$$16x = -448$$

$$\frac{x}{-9} = -18$$

THURSDAY

Find the mean and the median of the data set:

14, 22, 65, 13, 22, 14

FRIDAY

Evaluate each expression.

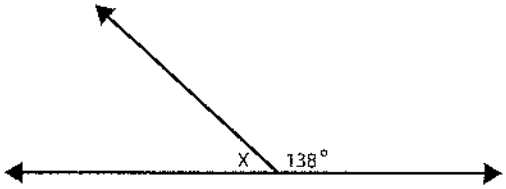
$-3 + (-9) =$ $-12 + (-29) =$ $-53 + (-42) =$

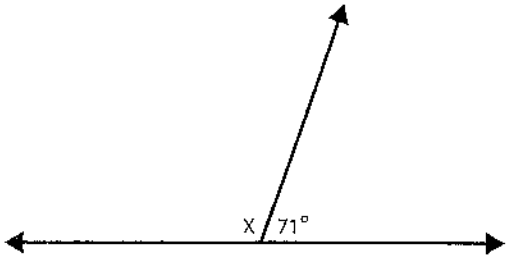
Name: _____

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.

$-14 + 8 =$

$12 + (-32) =$

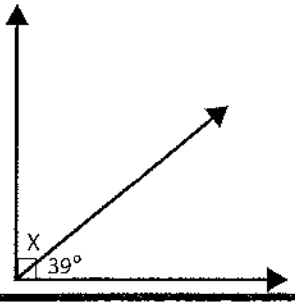
$-46 + 102 =$

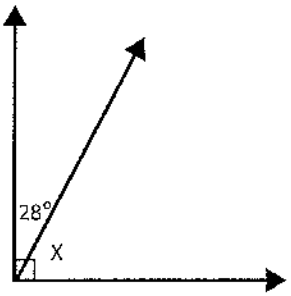
Name: _____

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.

What is 42% of 90?	29.75 is 35% of what number?

WEDNESDAY

Solve each equation. Show all work.

$\frac{x}{4} - 9 = -12$

$\frac{x}{-7} + 26 = -50$

THURSDAY

Find the Interquartile Range of the data set.

15, 22, 16, 10, 5, 10, 5, 8

FRIDAY

Evaluate each expression.

$-24 - 16 =$

$53 - 98 =$

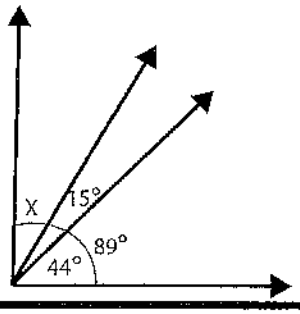
$-45 - (-92) =$

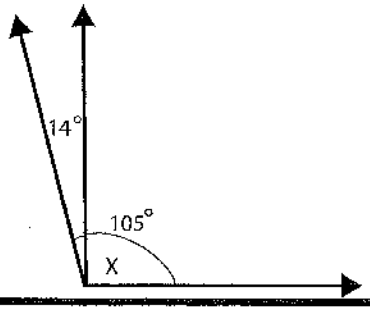
Name: _____

SUMMER MATH REVIEW *Week Five*

MONDAY

Find each missing angle:





TUESDAY

Use the percent proportion to solve each problem. Show all work.

What is 63% of 98?	24 is what percent of 150?

WEDNESDAY

Simplify each expression:

$-5b + 22b - 2b$ $\quad$ $5(x + 2) - 3x$ $\quad$ $12y - 15y + 14y$

THURSDAY

Find the Mean Absolute Deviation of the data set.

10, 15, 15, 10, 20

FRIDAY

Evaluate each expression.

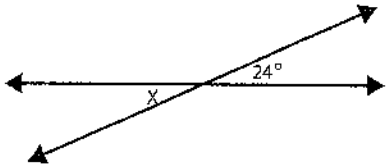
$-4(32) =$ $\quad$ $\frac{-49}{-7} =$ $\quad$ $18(-23) =$

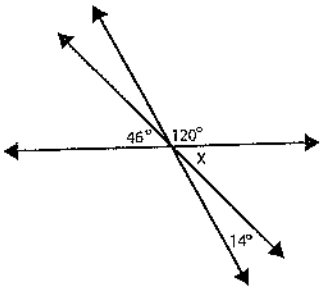
Name: _____

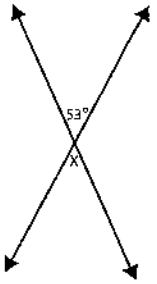
SUMMER MATH REVIEW *Week Six*

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 $c = -4$

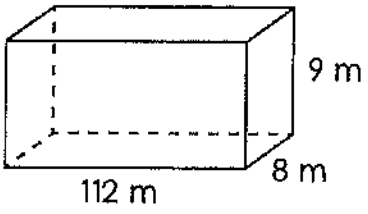
$3a + 2b$ $\qquad$ $a + b - c$ $\qquad$ $5c - 2a$

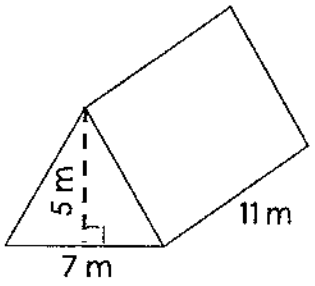
Name: _____

SUMMER MATH REVIEW Week Seven

MONDAY

Find the volume of each figure:





TUESDAY

Daisy's bill at the restaurant is $46.50. She wants to leave a 20% tip. How much is the tip?

WEDNESDAY

Solve and graph the inequality.

$$x - 5 \geq -6$$

THURSDAY

Miles makes 15 out of 20 free throws. If the trend continues, what is the probability that Miles will make a free throw?

FRIDAY

Write each fraction as a decimal. Indicate if it is a terminating or repeating decimal.

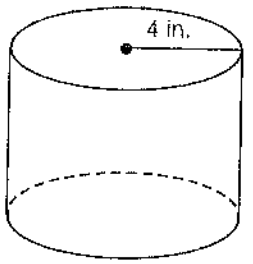
$\frac{16}{30}$ $\frac{12}{40}$

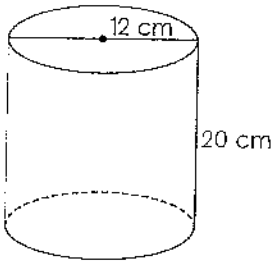
Name: _____

SUMMER MATH REVIEW Week Eight

MONDAY

Find the volume of each figure:





TUESDAY

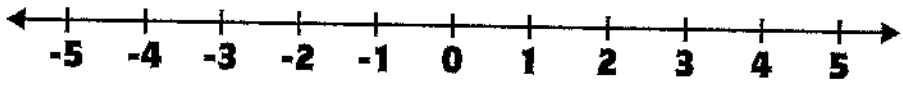
Find each sale price:

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:

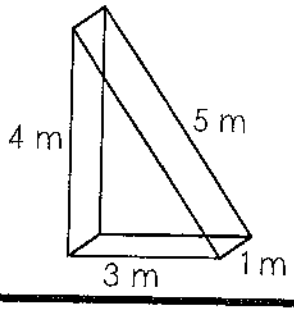
$-1.4 + 9.8 =$ $\quad -0.32 + (-0.4) =$ $\quad -\frac{2}{3} + \frac{4}{9} =$

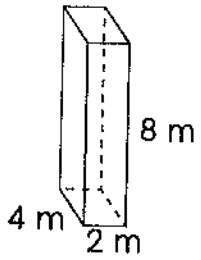
Name: _____

SUMMER MATH REVIEW Week Nine

MONDAY

Find the surface area of each figure:





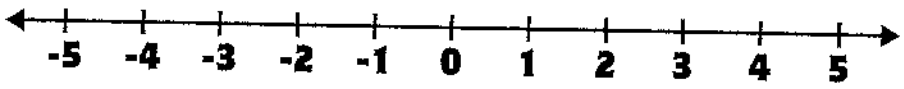
TUESDAY

A store purchases sweaters for $15 each. The percent markup is 40%. What is the selling price of the sweater?

WEDNESDAY

Solve and graph the inequality. Show all work.

$$-2x + 3 \leq 2$$



THURSDAY

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.

FRIDAY

Evaluate each expression

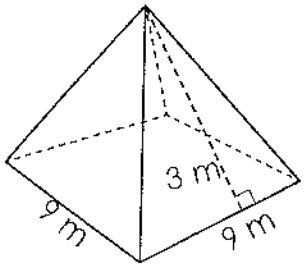
$-1.25 - 96 =$ $\quad -0.3 - (-0.9) =$ $\quad -\frac{1}{9} - \frac{3}{8} =$

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

$-5(2g-3h)$	$\frac{1}{3}(2x-6y)$	$1.5(3a-5b)$

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

$-4.25 \times -10.5 =$

$-\frac{2}{3} \times \frac{3}{4} =$

$-1\frac{1}{5} \div 2\frac{3}{7} =$