

Name: _____

OUT of CLASS Work WEEK 1

Solve the following problems without a calculator. You MUST show your work. CUBES strategy must be used on all Word Problems.
NO WORK = NO CREDIT.

MONDAY & TUESDAY: REVIEW

Explain using complete sentences the steps you would take to solve the following problem:

$$6(10 - 6)^3 - 10 \div 2 + 11(4 + 3^2)^2$$

Solve the problem below:

Find the MEAN, MEDIAN, & MODE of the following data set:

2, 4, 1, 9, 10

When Christine takes a step, she covers $\frac{1}{4}$ a yard. If she walks for 10 yards, how many steps will she take?

Pam owns $\frac{4}{5}$ of land. She wants to sell $\frac{2}{3}$ of her land to her neighbor. What fraction of the original land does she want to sell?

There are 12 green pencils, 26 blue pencils, 2 brown pencils, 30 pink pencils, 16 yellow pencils, 4 red pencils, and 10 purple pencils. Write a ratio to represent:

green: blue _____ yellow: pink _____

red: total _____ total: pink _____

yellow: total _____ purple: yellow _____

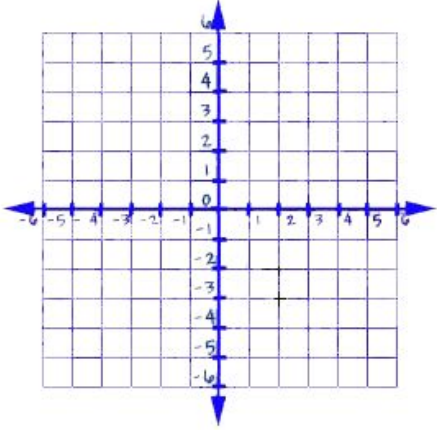
Ratio of your choice:

_____ : _____ = _____

All answers must be simplified.

Wednesday: Review

If you have the coordinates (3,4), (-5, 4), and (-5, -1), what is the missing coordinate needed to make a rectangle?



What quadrant is this point in?

Find the MEAN, MEDIAN, & MODE of the following data set:

5, 1, 2, 4, 2, 4

If $x = 2$, what is the value of $7(x + 4) - 3x$?

Evaluate for "b".

$$7b - 14 = 28$$

Thursday: Review

Find the MEAN, MEDIAN, & MODE of the following data set:

9, 5, 12, 15, 21, 35, 2

Write an expression for each of the following:

a.) "14 less than p" _____

b.) "7 increased by four times a number" _____

c.) "two times a number plus five squared" _____

Simplify using what you know about combining like terms and distributive property.

Hint: multiply to remove ALL of the parentheses by using distributive property, then combine like terms.

a. $6(3y + 4) + 2(y - 5)$

b. $3x + y + 4(2x + 2y)$

Clark ran around the track 3 and $\frac{1}{2}$ times. If the distance around the track is $\frac{1}{4}$ of a mile, how far did Clark run?

