

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

Week 2 Homework Packet – 7<sup>th</sup> Grade Math Honors

SCORE  
**/4**

WEEK SCORE  
**/12**

Stamp

**ASSIGNMENT DUE TUESDAY, AUGUST 16, 2016**

Unit 1, Chapter 1 - The Language of Algebra

Evaluate the following. Show all steps for each problem. You will not receive a stamp if work is not shown!

1)  $5 + 8 \cdot 2 - 4$

Answer

2)  $(8 - 5) \cdot (2 + 5)$

Answer

3)  $12 - 3 \cdot (8 + 1)$

Answer

4)  $3^2 \cdot (11 - 7)$

Answer

5)  $10 + 2^3$

Answer

6)  $11 - 5(2)$

Answer

For each one-step equation below, solve for the variable. Show the step that is required to solve the problem. An example has been done for you.

Ex.)  $4x = 20$

*Divide both sides by 4*

$x = 5$

Answer

7)  $m + 4 = 11$

Answer

8)  $\frac{k}{3} = 6$

Answer

9)  $g - 2 = 14$

Answer

10)  $9 + y = 21$

Answer

11)  $8d = 48$

Answer

12)  $19 - z = 3$

Answer

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

Period: \_\_\_\_\_

7<sup>th</sup> Grade Math Honors

SCORE  
/ 4

Stamp

### ASSIGNMENT DUE WED/THU, AUGUST 17/18, 2016

Unit 1, Chapter 1 - The Language of Algebra

The table to the right shows the speed in pages per minute of three different brands of printers. Use the information on the table to answer questions 1–4. Be sure to show how you set up each problem.

Printer Speeds	
Brand	Speed (wpm)
Apricot	8
Sure-Fire	12
Centroid	15

1) If you were to print a 45 page document on a Centroid printer, how long would it take to print the entire document?

2) You are printing a very large document of several hundred pages on an Apricot printer. If you start the print and return twelve minutes later, how many pages will have printed so far?

3) If you have to print a 150-page document, how much less time would it take to print on a Centroid printer than on a Sure-Fire printer?

4) If you can print a document on an Apricot printer in 4.5 minutes, how long would the same document take to print on a Sure-Fire printer?

Review: Greatest Common Factor

For each pair of numbers below, find the Greatest Common Factor (GCF). Remember, GCF is the largest number that both numbers can divide and get an integer as an answer. An example has been done for you. Show that your answer is correct by dividing both numbers by the GCF

Ex.) 24 and 36

$$\text{GCF} = 12$$

$$36 \div 12 = 3$$

$$24 \div 12 = 2$$

5) 35 and 14

6) 24 and 18

7) 16 and 12

8) 25 and 35

9) 36 and 54

10) 11 and 17

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

Period: \_\_\_\_\_

SCORE  
/4

Stamp

7<sup>th</sup> Grade Math Honors

**ASSIGNMENT DUE FRIDAY, AUGUST 19, 2016**

Unit 1, Chapter 1 - The Language of Algebra

Evaluate each of the equations below. Show how you solve the problem. Note: some of the problems may have more than one answer, so be sure you include all possible answers.

1)  $3x = 39$

Answer

2)  $5.5 + k = 9.2$

Answer

3)  $11 - f = 10$

Answer

4)  $19 - t = 3$

Answer

5)  $|m| = 8$

Answer

6)  $2j = 9$

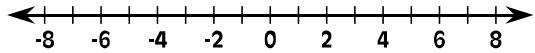
Answer

7)  $\frac{18}{r} = 3$

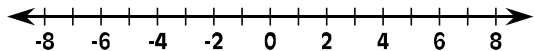
Answer

For each number given in problems 7–12, graph the number on the number line.

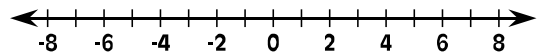
8) 7



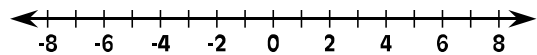
9) -3



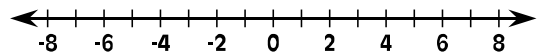
10) 8



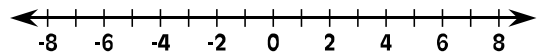
11) 5



12)  $\frac{1}{2}$



13)  $-4\frac{1}{2}$



Evaluate each of the absolute values below.

Remember to follow the order of operations and show all work.

14)  $|-6| + |5|$

15)  $|7 - 4|$