**Summer work for Math 6 – June 2015 (incoming 7th graders)**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Show all your work on looseleaf and write the final answer on the worksheet. Return the completed worksheet and looseleaf the first week of school. Do not use a calculator for this assignment.

1. Find the prime factorization using exponents of 68. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Find the value of each expression.
3. 12 -3 x 2 + 15 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 10 + 15 divided by 5 -6 = \_\_\_\_\_\_\_
5. Evaluate each expression if a =4 and b = 3.
6. a + 12 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 27 divided by b = \_\_\_\_\_\_\_\_\_
8. 2a- b = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Write each decimal in standard form.
10. Seven hundredths \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Eight and fifty one thousandths \_\_\_\_\_\_\_\_\_\_\_\_
12. Six tenths \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Two and twenty one hundredths \_\_\_\_\_\_\_\_\_\_\_

1. Use <.>, or = to compare each pair of decimals.
2. 2.03 \_\_\_\_\_ 2.030
3. 7.960 \_\_\_\_\_ 7.906

1. Solve.

1. 43.28 + 31.45 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. 392.802 – 173.521 = \_\_\_\_\_\_\_\_\_\_\_

3. 7.8 x 6 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. 0.92 x 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. 12 x 0.034 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. 4.56 x 9.7 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. 7.2 divided by 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. 0.45 divided by 15 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. 36.08 divided by 8.2 = \_\_\_\_\_\_\_\_\_\_\_\_\_

G. Find the GCF of 24, 48 and 84. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H. Find the LCM of 4, 9 and 18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I Solve.

1. 6 5/8 + 4 ½ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 11 ½ - 7 3/5 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 3/5 x 2/9 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 3/8 x 2 2/3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 7 7/8 x 5 1/3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 1/8 divided by ¾ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 2/5 divided by 4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. 5 ¾ divided by 1 ½ =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

J. Write the four types of angles and define each.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

K. Find the missing measurement of each triangle.

1. 70, 60, x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. x, 35, 25 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

L. Name the quadrilateral that has exactly one pair of opposite sides parallel. \_\_\_\_\_\_\_\_\_\_ M. Solve.

1. (-5) + (-7) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. (-4) – (-9) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. (-3)8 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4, (-15) divided by (-5) = \_\_\_\_\_\_\_\_\_