**Summer work for Math 7 – June 2015 (incoming 8th 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. Write a numerical expression for each verbal phrase.
2. two people share a lunch bill of $10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. the new price of $6 is taken off a $15 item \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Evaluate each expression
5. 8 divided by 2 + 11 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. (12-4) + 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 15 + 7 x 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Simplify each expression.
9. 23 + (z + 47) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. (8 x b) x 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. 5a ( 3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. (17 + m) + 31 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Solve
14. (-3) + (-7) = \_\_\_\_\_\_\_\_\_\_\_
15. (-4) + 11 =\_\_\_\_\_\_\_\_\_\_\_\_\_
16. 3-11 =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. 13 + (-2) + (-9) =\_\_\_\_\_\_\_\_
18. (-4) – (-8) = \_\_\_\_\_\_\_\_\_\_\_\_\_
19. 7(-6) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. 54 divided by (-6) = \_\_\_\_\_\_\_
21. (-4) 7 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. 2(-3)7 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
23. (-95) divided by 5 = \_\_\_\_\_\_
24. Evaluate each expression. If a = (-3), b = 6 and c= (-9).
25. ca-b \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
26. lbcl divided by (-lal) \_\_\_\_\_\_\_\_\_\_\_\_\_
27. 4b divided by lal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
28. ab divided by c - 6 \_\_\_\_\_\_\_\_\_\_\_
29. Write each fraction as a decimal and each decimal as a fraction.
30. 3/9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. 0.38 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
31. 1/8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. -5.5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
32. 2/7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6 10.17 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
33. Solve
34. -2/9 x 3/14 \_\_\_\_\_\_\_\_\_\_\_\_\_ 5. 4 4/7 x 9 1/3 \_\_\_\_\_\_\_\_\_\_\_\_\_
35. 5/6 divided by (-7/18) \_\_\_\_\_\_\_\_ 6. -8 4/9 divided by 2 1/9 \_\_\_\_\_\_\_
36. -3/7 + 5/14 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7. 6 ¾ - 2 1/6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_
37. 1 1/5 - (-7/15) \_\_\_\_\_\_\_\_\_\_\_\_\_ 8. 9 1/3 + ( -7 5/6 ) \_\_\_\_\_\_\_\_\_\_
38. Solve each equation. Check your solution.
39. m + 3.75 = -4.15 m= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
40. n + (-18) = (-36) n = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
41. -27 + 15n = 33- 9n n= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
42. 9(12 + 4n) + 3(6n-18) n = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
43. Use a percent proportion to solve each problem. Use the cross product method and check your solution.
44. Find 35% of 300 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
45. What percent of 6 is 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
46. 34 is 68% of what number \_\_\_\_\_\_\_\_\_\_\_\_
47. What percent of 50 is 32 \_\_\_\_\_\_\_\_\_\_\_\_\_
48. What is the simple interest to the nearest cent of $1200 invested at 3% for 5 years? \_\_\_\_\_\_\_\_\_