

**Math Test #2**

1. True / False:  $3.88 > 3.08$
2. True / False:  $59.5097 > 59.509$
3. Round to the nearest hundredth:  $9.029$
4. Write 248300 in scientific notation: \_\_\_\_\_  $\times 10$
5. Is 660 divisible by 2? \_\_\_ 3? \_\_\_ 4? \_\_\_ 5? \_\_\_ 6? \_\_\_ 9? \_\_\_ 10? \_\_\_
6. Find prime factorization for 8 and 12. (Hint: Draw factor tree.)
7. Find prime factorization for 7 and 21. (Hint: Draw factor tree.)
8. Find GCF (greatest common factor) of 8 and 12. (Hint: Find common factor pairs in prime factorization.)
9. Find GCF (greatest common factor) of 7 and 21. (Hint: Find common factor pairs in prime factorization.)
10. Simplify  $\frac{8}{12}$ . (Hint: Use the GCF.)
11. Find LCM (least common multiple) of 8 and 12. (Hint: List multiples.)
12. Find LCM (least common multiple) of 7 and 21. (Hint: List multiples.)
13.  $\frac{1}{2} \times \frac{1}{3} =$
14.  $1\frac{9}{10} \times 2\frac{1}{10} =$   
(Hint: Improper fractions.)
15.  $\frac{1}{4} + \frac{2}{16} =$   
(Hint: LCD (least common denominator).)
16.  $1\frac{1}{7} + 4\frac{3}{21} =$   
(Hint: Improper fractions. LCD (least common denominator).)
17.  $\frac{1}{2} \div \frac{1}{3} =$   
(Hint: Flip.)
18.  $1\frac{1}{2} \div 1\frac{1}{3} =$   
(Hint: Improper fractions. Flip.)
19.  $\frac{7}{3} - \frac{6}{3} =$
20.  $2\frac{1}{2} - \frac{1}{2} =$
21.  $\frac{\frac{1}{4}}{\frac{1}{3}} =$
22. Find reciprocal of  $\frac{9}{10}$ .
23. Find reciprocal of  $1\frac{1}{3}$ .
24. Find the next three in pattern: 1, 9, 17, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (Hint: Arithmetic sequence)
25. Find the next three in pattern: 2, 10, 50, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (Hint: Geometric sequence)