**Directions:** Complete the following questions. Please show all work!

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| 1) Write the number **3,004,600.58** in expanded form. | 2) Write the number **0.4095** in expanded form. |
| 3) **Round the given number to the indicated place value:**Round **635.76** to the nearest whole: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Round **349.75** to the nearest tenth:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Round **5.387** to the nearest hundredth:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Round **3.0841** to the nearest thousandth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 4) Use **>, <, or =** to compare the following numbers: 0.75 \_\_\_\_\_\_\_\_\_\_\_\_\_ 0.075 7.809 \_\_\_\_\_\_\_\_\_\_\_\_ 7.0980 .1034 \_\_\_\_\_\_\_\_\_\_\_ 0.00134 | 5) Order from least to greatest: 0.768, 0.867, 0.0678, 8.067 |
| 6) Write a value that is in between the two listed numbers. 16.105 \_\_\_\_\_\_\_\_\_\_\_\_ 16.2 31.07 \_\_\_\_\_\_\_\_\_\_\_\_\_ 31.1 |
| 7) Compute: 45.6 + 0.87 | 8) Compute: 63 – 17.5 |
| 9) Compute with powers of 10: $9.0784 x 10^{3}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$9.0784 x 10^{4}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$9.0784 x 10^{6}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 10) Compute:$423.56 ÷ 10^{2}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$423.56 ÷ 10^{4}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$423.56 ÷ 10^{5}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 11) Calculate the sum and simplify.$$\frac{3}{6}+ \frac{2}{6}= $$ | 12) Evaluate.$$\frac{7}{10}- \frac{1}{10}=$$ |
| 13) Write the sum in simplest form.$7 \frac{1}{3}+ 5 \frac{5}{6}$ = | 14) Simplify the expression.$6 \frac{2}{3}-5 \frac{2}{9}= $ = |
| 15) 7 x 4.15 | 16) 2.45 x 8 |
| 17)  3.14 x \_\_\_\_\_\_\_\_\_\_ = 31.4 3.14 x \_\_\_\_\_\_\_\_\_\_ = 314 3.14 x \_\_\_\_\_\_\_\_\_\_ = 3,140 | 18)  16.25 x \_\_\_\_\_\_\_\_\_ = 1,625 16.25 x \_\_\_\_\_\_\_\_\_ = 162.5 16.25 x \_\_\_\_\_\_\_\_\_ = 16,250 |