**Appendix 3  Quiz Solutions**

**Quiz 1 on Whole Numbers**

1) Arrange the following in ascending (increasing) order. Be sure to use commas.

| 479,863 | 85   |
| 27,462  | 864  |
| 1,643,986 | 7,422 |
| 36,593,246 | 27,462 |
| 7,422 | 479,863 |
| 36,593,246 | 1,643,986 |

2) Write the number one trillion five hundred thousand.

1,000,000,500,000

3) Use words to describe 1,235,507.

one million two hundred thirty-five thousand five hundred seven

4) 37 + 73 = 110

5) 49 - 398 = 108

6) 20 + 209 + 8 = 237

7) 415 - 37 = 18

8) 1 + 1 = 64,374

9) 416 - 37,246 = 19,146
<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>10) ((12)(204) =)</td>
<td>11) (\frac{274}{406} = )</td>
<td>12) (54 + 27 =)</td>
</tr>
</tbody>
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| \(\begin{array}{c}
204 \\
\times 12 \\
408 \\
\end{array}\) | \(\begin{array}{c}
1644 \\
000 \\
1096 \\
\end{array}\) | \(\begin{array}{c}
27 \\
54 \\
0 \\
\end{array}\) |
| \(\frac{204}{111,244}\) |   |   |
| 13) \(\frac{15}{52} R 13\) | 14) \(\frac{205}{50} = \) | Multiply 57 by 10, by 100, and by 1,000. |
| \(\begin{array}{c}
52 \) \\
793 \\
52 \\
273 \\
260 \\
13 \\
\end{array}\) | \(\begin{array}{c}
10250 \\
100 \\
25 \\
0 \\
250 \\
250 \\
0 \\
\end{array}\) |   |
| 15) \(\frac{50}{5\)}\) | 16) \(\frac{5700}{5\)}\) | 17) \(\frac{57,000}{5\)}\) |
| What are the prime factors of 36? | 19) \(4 + 20 + 5 - 3 =\) | 20A) Round 2,443 to the nearest hundred. |
| \(2(18)\) | \(= 4 + 4 - 3\) | \(\frac{2400}{2,400}\) |
| \(2)(2)(9)\) | \(= 8 - 3\) |   |
| \(2)(2)(3)(3)\) | \(= 5\) |   |
| 2 and 3 are the prime factors of 36. |   |   |
| 21) What is the total amount paid for a car if destination charges of $280 and taxes of $250 are added to the price of $7,700? |   |   |
| \(\begin{array}{c}
280 \\
250 \\
7,700 \\
\end{array}\) | \(\begin{array}{c}
8,230 \\
\end{array}\) |   |
| 22) How much would be saved on a $545 television set on sale for $478? |   |   |
| \(\begin{array}{c}
545 \\
478 \\
\end{array}\) | \(\begin{array}{c}
67 \\
\end{array}\) |   |
| 23) A car averages 24 miles per gallon. How far could the car travel if the gas tank holds 18 gallons of fuel? |   |   |
| \(\begin{array}{c}
24 \\
\times 18 \\
\end{array}\) | \(\begin{array}{c}
192 \\
24 \\
\end{array}\) |   |
| \(432\) miles | \(\frac{12}{84} \) |   |
| 24) What is the monthly income of someone earning $16,500 per year? |   |   |
| \(\begin{array}{c}
1,375 \\
12 \) \(\begin{array}{c}
16,500 \\
\end{array}\) \(\begin{array}{c}
12 \\
45 \\
36 \\
90 \\
84 \\
60 \\
60 \\
0 \\
\end{array}\) |   |   |