

Appendix 3 Quiz Solutions

Quiz 1 on Whole Numbers

1) Arrange the following in ascending (increasing) order. Be sure to use commas.	
4 7 9, 8 6 3	85
2 7, 4 6 2	864
1, 6 4 3, 9 8 6	7,422
85	27,462
7, 4 2 2	479,863
3 6, 5 9 3, 2 4 6	1,643,986
8 6 4	36,593,246

2) Write the number one trillion five hundred thousand. 1,000,000,500,000
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3) Use words to describe 1, 2 3 5, 5 0 7. one million two hundred thirty-five thousand five hundred seven
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4) $\begin{array}{r} 37 \\ + 73 \\ \hline 110 \end{array}$	5) $\begin{array}{r} 49\ 16 \\ 506 \\ - 398 \\ \hline 108 \end{array}$	6) $20 + 209 + 8 =$ $\begin{array}{r} 20 \\ 209 \\ + 8 \\ \hline 237 \end{array}$
7) $\begin{array}{r} 4\ 15 \\ 55 \\ - 37 \\ \hline 18 \end{array}$	8) $\begin{array}{r} 1\ 1 \\ 64,374 \\ + 56,218 \\ \hline 120,592 \end{array}$	9) $\begin{array}{r} 4\ 16\ 8\ 12 \\ 56,392 \\ - 37,246 \\ \hline 19,146 \end{array}$

<p>10) $(12)(204) =$</p> $\begin{array}{r} 204 \\ \times 12 \\ \hline 408 \\ 204 \\ \hline 2,448 \end{array}$	<p>11)</p> $\begin{array}{r} 274 \\ \times 406 \\ \hline 1644 \\ 000 \\ 1096 \\ \hline 111,244 \end{array}$	<p>12) $54 \div 27 =$</p> $\begin{array}{r} 2 \\ 27 \overline{) 54} \\ \underline{54} \\ 0 \end{array}$
<p>13)</p> $\begin{array}{r} 15 \text{ R } 13 \\ 52 \overline{) 793} \\ \underline{52} \\ 273 \\ \underline{260} \\ 13 \end{array}$	<p>14)</p> $\begin{array}{r} 205 \\ 50 \overline{) 10250} \\ \underline{100} \\ 25 \\ \underline{00} \\ 250 \\ \underline{250} \\ 0 \end{array}$	<p>Multiply 57 by 10, by 100, and by 1,000.</p> <p>15) <u>570</u></p> <p>16) <u>5,700</u></p> <p>17) <u>57,000</u></p>
<p>18) What are the prime factors of 36?</p> <p>2(18) (2)(2)(9) (2)(2)(3)(3)</p> <p>2 and 3 are the prime factors of 36.</p>	<p>19) $4 + 20 \div 5 - 3 =$</p> $\begin{aligned} &= 4 + 4 - 3 \\ &= 8 - 3 \\ &= 5 \end{aligned}$	<p>20A) Round 2,443 to the nearest hundred.</p> <p><u>2,400</u></p> <p>20B) Round 2,453 to the nearest thousand.</p> <p><u>2,000</u></p>
<p>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?</p>	$\begin{array}{r} \$ 280 \\ 250 \\ \underline{7,700} \\ \$8,230 \end{array}$	<p>22) How much would be saved on a \$545 television set on sale for \$478?</p> $\begin{array}{r} \$545 \\ - 478 \\ \hline \$ 67 \end{array}$
<p>23) A car averages 24 miles per gallon. How far could the car travel if the gas tank holds 18 gallons of fuel?</p> $\begin{array}{r} 24 \\ \times 18 \\ \hline 192 \\ 24 \\ \hline 432 \text{ miles} \end{array}$		<p>24) What is the monthly income of someone earning \$16,500 per year?</p> $\begin{array}{r} \$1,375 \\ 12 \overline{) 16,500} \\ \underline{12} \\ 45 \\ \underline{36} \\ 90 \\ \underline{84} \\ 60 \\ \underline{60} \\ 0 \end{array}$