

## Significant Figures: Part Deux

Complete the following math problems; be sure to express your answers with the proper number of significant figures.

$$1) \quad \begin{array}{r} 210.45 \\ + \quad 210.55 \\ \hline \end{array}$$

$$7) \quad \begin{array}{r} 4 \\ \times \quad 7 \\ \hline \end{array}$$

$$2) \quad \begin{array}{r} 10,000 \\ - \quad 5,000 \\ \hline \end{array}$$

$$8) \quad \begin{array}{r} 1.000000 \\ - \quad 0.000400 \\ \hline \end{array}$$

$$3) \quad \begin{array}{r} 27.45 \\ \times \quad 45.9876 \\ \hline \end{array}$$

$$9) \quad \begin{array}{r} 4.12 \times 10^5 \\ \times \quad 547 \\ \hline \end{array}$$

$$4) \quad \begin{array}{r} 210.55 \\ - \quad 210.45 \\ \hline \end{array}$$

$$10) \quad \begin{array}{r} \overline{10} \\ \times \quad \overline{10} \\ \hline \end{array}$$

$$5) \quad \begin{array}{r} 2,100,001 \\ \times \quad 5.5 \\ \hline \end{array}$$

$$11) \quad \frac{(2.78 \times 10^4)(2.995 \times 10^6)}{4.734 \times 10^5}$$

$$6) \quad \begin{array}{r} 2.75 \times 10^4 \\ \times \quad 1.004 \times 10^3 \\ \hline \end{array}$$

$$12) \quad \frac{(3.178 \times 10^4)(4.25 \times 10^6)(56,798)}{(4.734 + 23.1)(2.6 \times 10^0)} \times 27\overline{0}$$

# KEY

## Significant Figures: Part Deux

Complete the following math problems, be sure to express your answers with the proper number of significant figures.

$$\begin{array}{r}
 1) \qquad \qquad \qquad 210.45 \\
 + \quad \underline{\qquad 210.55} \\
 \qquad \qquad \qquad 421.00
 \end{array}$$

$$\begin{array}{r}
 7) \qquad \qquad \qquad 4 \\
 \times \quad \underline{\qquad 7} \\
 \qquad \qquad \qquad 30 \text{ or } 3 \times 10^1
 \end{array}$$

$$\begin{array}{r}
 2) \qquad \qquad \qquad 10,000 \\
 - \quad \underline{\qquad 5,000} \\
 \qquad \qquad \qquad 10,000 \text{ Or } 5,000
 \end{array}$$

$$\begin{array}{r}
 8) \qquad \qquad \qquad 1.000000 \\
 - \quad \underline{\qquad 0.000400} \\
 \qquad \qquad \qquad 0.999600
 \end{array}$$

$$\begin{array}{r}
 3) \qquad \qquad \qquad 27.45 \\
 \times \quad \underline{\qquad 45.9876} \\
 \qquad \qquad \qquad 1,262
 \end{array}$$

$$\begin{array}{r}
 9) \qquad \qquad \qquad 4.12 \times 10^5 \\
 \times \quad \underline{\qquad 547} \\
 \qquad \qquad \qquad 2.25 \times 10^8
 \end{array}$$

$$\begin{array}{r}
 4) \qquad \qquad \qquad 210.45 \\
 - \quad \underline{\qquad 210.55} \\
 \qquad \qquad \qquad -0.10
 \end{array}$$

$$\begin{array}{r}
 10) \qquad \qquad \qquad \overline{10} \\
 \times \quad \underline{\qquad \overline{10}} \\
 \qquad \qquad \qquad \overline{100} \text{ or } 1.0 \times 10^2
 \end{array}$$

$$\begin{array}{r}
 5) \qquad \qquad \qquad 2,100,001 \\
 \times \quad \underline{\qquad 5.5} \\
 \qquad \qquad \qquad 12,000,000 \text{ or } 1.2 \times 10^7
 \end{array}$$

$$\begin{array}{r}
 11) \quad \frac{(2.78 \times 10^4)(2.995 \times 10^6)}{4.734 \times 10^5} \\
 \qquad \qquad \qquad 1.76 \times 10^5
 \end{array}$$

$$\begin{array}{r}
 6) \qquad \qquad \qquad 2.75 \times 10^4 \\
 \times \quad \underline{\qquad 1.004 \times 10^3} \\
 \qquad \qquad \qquad 2.76 \times 10^7
 \end{array}$$

$$\begin{array}{r}
 12) \quad \frac{(3.178 \times 10^4)(4.25 \times 10^6)(56,798)}{(4.734 + 23.1)(2.6 \times 10^0)} \times 27\overline{0}
 \end{array}$$