

SOLUTIONS

5. Addition, subtraction, multiplication, and division

6. (a) $12 + 4 = 16$

(b) $12 - 4 = 8$

(c) $12 \cdot 4 = 48$

(d) $\frac{12}{4} = 3$

$$\begin{array}{r} 7. \quad \$ \overset{3}{4} \overset{6}{3} \overset{7}{.} \overset{1}{4} \\ - \$ 16.59 \\ \hline \$ 27.15 \end{array}$$

$$\begin{array}{r} 8. \quad 64 \\ \times 37 \\ \hline 448 \\ 192 \\ \hline 2368 \end{array}$$

$$\begin{array}{r} 9. \quad 7 \\ 8 \\ 4 \\ 6 \\ 9 \\ 3 \\ 5 \\ + 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 10. \quad 12 \\ 364 \\ 52 \\ 867 \\ + 9 \\ \hline 1292 \end{array}$$

$$\begin{array}{r} 11. \quad \overset{3}{4} \overset{9}{0} \overset{9}{0} \\ - 3625 \\ \hline 375 \end{array}$$

$$\begin{array}{r} 12. \quad 316 \\ \times 18 \\ \hline 2528 \\ 316 \\ \hline 5688 \end{array}$$

$$\begin{array}{r} 13. \quad \underline{\$2.18} \\ 20 \overline{) 43.60} \\ \underline{40} \\ 36 \\ \underline{20} \\ 160 \\ \underline{140} \\ 200 \\ \underline{200} \\ 0 \end{array}$$

$$\begin{array}{r} 14. \quad 300 \\ \times 40 \\ \hline 12,000 \end{array}$$

$$\begin{array}{r} 15. \quad 12 \quad 96 \\ \times 8 \quad \times 0 \\ \hline 96 \quad 0 \end{array}$$

$$\begin{array}{r} 16. \quad \underline{309} \\ 12 \overline{) 3708} \\ \underline{36} \\ 108 \\ \underline{108} \\ 0 \end{array}$$

$$\begin{array}{r} 17. \quad 365 \\ \times 20 \\ \hline 7300 \end{array}$$

$$\begin{array}{r} 18. \quad \underline{30 \text{ R } 17} \\ 25 \overline{) 767} \\ \underline{75} \\ 17 \\ \underline{0} \\ 17 \end{array}$$

$$\begin{array}{r} 19. \quad 30 \\ \times 40 \\ \hline 1200 \end{array}$$

$$\begin{array}{r} 20. \quad \overset{0}{\$} \overset{9}{4} \overset{9}{0} \overset{9}{0} \\ - \$ 2.34 \\ \hline \$ 7.66 \end{array}$$

$$\begin{array}{r} 21. \quad \overset{3}{4} \overset{9}{0} \overset{1}{7} \\ - 3952 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 22. \quad \$2.50 \\ \times 80 \\ \hline \$200.00 \end{array}$$

$$\begin{array}{r} 23. \quad \$2.50 \\ \times 20 \\ \hline \$50.00 \end{array}$$

$$\begin{array}{r} 24. \quad \underline{40} \\ 14 \overline{) 560} \\ \underline{56} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

LESSON 1, WARM-UP

- a. 60
b. 80
c. 87
d. 6
e. 24
f. 48
g. 5

$$\begin{array}{r} \text{g.} \quad 250 \\ \times 24 \\ \hline 1000 \\ 500 \\ \hline 6000 \end{array}$$

$$\begin{array}{r} \text{h.} \quad \overline{5) \$24.00} \\ \underline{20} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\begin{array}{r} \text{i.} \quad \overline{18) 234} \\ \underline{18} \\ 54 \\ \underline{54} \\ 0 \end{array}$$

$$\begin{array}{r} \text{j.} \quad 20 \\ + 4 \\ \hline 24 \end{array}$$

$$\begin{array}{r} \text{k.} \quad 20 \\ - 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} \text{l.} \quad 20 \\ \times 4 \\ \hline 80 \end{array}$$

$$\begin{array}{r} \text{m.} \quad \overline{4) 20} \\ \hline \end{array}$$

Problem Solving

$$\begin{array}{cccccccc} & +2 & +3 & +4 & +5 & +6 & +7 & +8 \\ \text{1,} & 3, & 6, & 10, & 15, & 21, & 28, & 36 \end{array}$$

LESSON 1, LESSON PRACTICE

- a. \$0.45 per glass; 45¢ per glass
b. 0
c. Product of 4 and 4 = 16
Sum of 4 and 4 = 8

$$\begin{array}{r} 2 \\ 8 \overline{) 16} \\ \underline{16} \\ 0 \end{array}$$

$$\begin{array}{r} \text{d.} \quad \$1.75 \\ \$0.60 \\ + \$3.00 \\ \hline \$5.35 \end{array}$$

$$\begin{array}{r} \text{e.} \quad \begin{array}{r} 2. \overset{1}{0} \overset{9}{0} \\ - 0.47 \\ \hline 1.53 \end{array} \end{array}$$

$$\begin{array}{r} \text{f.} \quad \$0.65 \\ \times 5 \\ \hline \$3.25 \end{array}$$

LESSON 1, MIXED PRACTICE

1. Product of 5 and 6 = 30
Sum of 5 and 6 = 11
30 - 11 = 19

$$\begin{array}{r} \text{2.} \quad 8 \\ + 9 \\ \hline 17 \end{array}$$

3. $\overline{4) \text{dividend}}$; the dividend is 32.

4. Product of 6 and 6 = 36
Sum of 6 and 6 = 12

$$\begin{array}{r} 3 \\ 12 \overline{) 36} \\ \underline{36} \\ 0 \end{array}$$