

**SOLUTIONS**

$$\begin{aligned}
 28. \quad & 1 \text{ in.} + 1 \text{ in.} + \frac{3}{4} \text{ in.} + \frac{3}{4} \text{ in.} \\
 & 2 \text{ in.} + \frac{6}{4} \text{ in.} = 2 \text{ in.} + 1\frac{2}{4} \text{ in.} \\
 & = 2 \text{ in.} + 1\frac{1}{2} \text{ in.} = 3\frac{1}{2} \text{ inches}
 \end{aligned}$$

$$\begin{aligned}
 29. \quad & \frac{2}{5} \times \frac{2}{2} = \frac{4}{10} \\
 & \frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}
 \end{aligned}$$

30. The numbers 1.5 and 1.50 are equivalent. Attaching a zero to a decimal number does not shift place values. To multiply 1.5 by 10, we can move the decimal point one place to the right, which shifts the place values and makes the product 15.

**LESSON 48, WARM-UP**

- 200
- 580
- 81
- \$5.25
- \$7.50
- \$0.25
- 9

**Problem Solving**

$$\begin{aligned}
 90 \times 3 &= 270 \\
 270 - (85 + 85) &= 100
 \end{aligned}$$

**LESSON 48, LESSON PRACTICE**

$$\begin{aligned}
 a. \quad & 4\frac{1}{3} \xrightarrow{3 + \frac{3}{3} + \frac{1}{3}} 3\frac{4}{3} \\
 & - 1\frac{2}{3} \qquad \qquad \qquad - 1\frac{2}{3} \\
 & \hline & \qquad \qquad \qquad \qquad \qquad \hline & \qquad \qquad \qquad \qquad \qquad 2\frac{2}{3}
 \end{aligned}$$

$$\begin{aligned}
 b. \quad & 3\frac{2}{5} \xrightarrow{2 + \frac{5}{5} + \frac{2}{5}} 2\frac{7}{5} \\
 & - 2\frac{3}{5} \qquad \qquad \qquad - 2\frac{3}{5} \\
 & \hline & \qquad \qquad \qquad \qquad \qquad \hline & \qquad \qquad \qquad \qquad \qquad \frac{4}{5}
 \end{aligned}$$

$$\begin{aligned}
 c. \quad & 5\frac{2}{4} \xrightarrow{4 + \frac{4}{4} + \frac{2}{4}} 4\frac{6}{4} \\
 & - 1\frac{3}{4} \qquad \qquad \qquad - 1\frac{3}{4} \\
 & \hline & \qquad \qquad \qquad \qquad \qquad \hline & \qquad \qquad \qquad \qquad \qquad 3\frac{3}{4}
 \end{aligned}$$

$$\begin{aligned}
 d. \quad & 5\frac{1}{8} \xrightarrow{4 + \frac{8}{8} + \frac{1}{8}} 4\frac{9}{8} \\
 & - 2\frac{4}{8} \qquad \qquad \qquad - 2\frac{4}{8} \\
 & \hline & \qquad \qquad \qquad \qquad \qquad \hline & \qquad \qquad \qquad \qquad \qquad 2\frac{5}{8}
 \end{aligned}$$

$$\begin{aligned}
 e. \quad & 7\frac{3}{12} \xrightarrow{6 + \frac{12}{12} + \frac{3}{12}} 6\frac{15}{12} \\
 & - 4\frac{10}{12} \qquad \qquad \qquad - 4\frac{10}{12} \\
 & \hline & \qquad \qquad \qquad \qquad \qquad \hline & \qquad \qquad \qquad \qquad \qquad 2\frac{5}{12}
 \end{aligned}$$

$$\begin{aligned}
 f. \quad & 6\frac{1}{4} \xrightarrow{5 + \frac{4}{4} + \frac{1}{4}} 5\frac{5}{4} \\
 & - 2\frac{3}{4} \qquad \qquad \qquad - 2\frac{3}{4} \\
 & \hline & \qquad \qquad \qquad \qquad \qquad \hline & \qquad \qquad \qquad \qquad \qquad 3\frac{2}{4} = 3\frac{1}{2}
 \end{aligned}$$

**LESSON 48, MIXED PRACTICE**

- $$\begin{array}{r}
 10 \\
 \times 2 \\
 \hline
 20
 \end{array}$$
- $$\begin{array}{r}
 \$1,449 \\
 \times \quad 10.0 \\
 \hline
 \$14,490.0 \longrightarrow \$14.49
 \end{array}$$
- $$\begin{array}{r}
 12:00 \\
 1:20 \text{ p.m.} \\
 - 11:45 \text{ a.m.} \\
 \hline
 1:35
 \end{array}$$

1 hour 35 minutes