

LESSONS AND INVESTIGATIONS

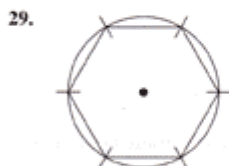
$$\begin{array}{r}
 25. \quad 3 \frac{9}{20} = 3 \frac{27}{60} \\
 - 1 \frac{5}{12} = 1 \frac{25}{60} \\
 \hline
 2 \frac{2}{60} = 2 \frac{1}{30}
 \end{array}$$

$$\begin{array}{r}
 26. \quad \frac{a}{b} = a \div b = 3 \frac{1}{3} \div 5 \\
 = \frac{10}{3} \div \frac{5}{1} = \frac{10}{3} \times \frac{1}{5} = \frac{2}{3}
 \end{array}$$

$$27. \quad 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = 2^6$$

$$\begin{array}{r}
 28. \quad (a) \quad 0.25 \\
 \quad \times \quad 10 \\
 \hline
 2.50 = 2.5
 \end{array}$$

$$\begin{array}{r}
 (b) \quad \begin{array}{r} 0.025 \\ 10 \overline{)0.250} \\ \underline{20} \\ 50 \\ \underline{50} \\ 0 \end{array}
 \end{array}$$



30. Fourth quadrant

LESSON 38, WARM-UP

- a. \$6.44
- b. \$7.50
- c. 25
- d. $\frac{1}{2}$
- e. 60
- f. 35
- g. 6

Problem Solving

The perimeter of the rectangle is the same as the length of the string (2 yards, or 6 feet):

$$2l + 2w = 6 \text{ ft}$$

Since the rectangle is twice as long as it is wide, we can substitute $2w$ for l in the perimeter equation. Then we solve for w :

$$2(2w) + 2w = 6 \text{ ft}$$

$$4w + 2w = 6 \text{ ft}$$

$$6w = 6 \text{ ft}$$

$$w = 1 \text{ ft}$$

The width of the rectangle is 1 ft, and the length is 2 ft. We find the area in square feet by multiplying:

$$A = l \times w$$

$$A = 2 \text{ ft} \times 1 \text{ ft}$$

$$A = 2 \text{ sq. ft}$$

LESSON 38, LESSON PRACTICE

- a. $\begin{array}{r} \text{January: } 4 \times 10,000 \text{ doughnuts} \\ \quad = 40,000 \text{ doughnuts} \\ \text{February: } 6 \times 10,000 \text{ doughnuts} \\ \quad = 60,000 \text{ doughnuts} \\ \hline 60,000 \text{ doughnuts} \\ - 40,000 \text{ doughnuts} \\ \hline 20,000 \text{ doughnuts} \end{array}$
- b. $\begin{array}{r} 500 \text{ cans} \\ 800 \text{ cans} \\ 900 \text{ cans} \\ + 400 \text{ cans} \\ \hline 2600 \text{ cans} \end{array}$
- c. Test 4
- d. $\frac{4}{24} = \frac{1}{6}$

LESSON 38, MIXED PRACTICE

1. $\begin{array}{r} 7 \text{ civilians} \\ + 3 \text{ soldiers} \\ \hline 10 \text{ total} \\ \text{soldiers} = \frac{3}{10} \end{array}$
2. $\begin{array}{r} 115 \text{ pages} \\ 3 \overline{)345} \\ \underline{3} \\ 04 \\ \underline{3} \\ 15 \\ \underline{15} \\ 0 \end{array}$