

# Ratios & Rates

Ratios

↳ same thing  
units

$$1 \text{ to } 3$$

$$1 : 3$$

10  
min

Rates

↳ different  
units

$$\frac{1}{3}$$

$$\frac{\$18}{20 \text{ cd}}$$

$$\begin{array}{r} \cancel{\$18} \\ \cdot 90 \\ \hline \dots \\ \dots \end{array} = \$0.90$$

$$\frac{30 \text{ mi}}{1 \text{ hr}}$$

$$1 \text{ m} = 5280 \text{ ft}$$

$$1 \text{ hr} = 60 \text{ min}$$

$$1 \text{ min} = 60 \text{ s}$$

$$60 \times 60$$

$$= 3600 \text{ s}$$

$$\begin{array}{r} 5280 \\ \times 30 \\ \hline 158400 \end{array}$$

$$\frac{158,400 \text{ ft}}{3600 \text{ s}}$$

$$\begin{array}{r} 44 \\ 9 \overline{) 1584} \\ \underline{18} \\ 144 \\ \underline{144} \\ 0 \end{array}$$

$$\frac{126}{4}$$

$$\begin{array}{r} 44 \\ 9 \overline{) 176} \\ \underline{18} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$\frac{44 \text{ ft}}{1 \text{ s}}$$

Homework

p. 267

# 24-46 E

