

4-7 Writing Decimals as Fraction

$$0.375$$

$$\frac{375}{1000} \div 125 = \frac{3}{8}$$

$$0.65$$

$$\frac{65}{100} \div 5 = \frac{13}{20}$$

$$8.06$$

$$8 \frac{6}{100} \div \frac{2}{2} = 8 \frac{3}{50}$$

4-8 Fractions to Decimals

$$\frac{5}{8} \times \frac{125}{125} = \frac{625}{1000} = 0.625$$

$$\begin{array}{r} 8 \overline{) 5.000} \\ - 48 \downarrow \\ \hline 20 \end{array}$$

$$\frac{2}{3}$$

$$\begin{array}{r} 3 \overline{) 2.000} \\ - 18 \downarrow \\ \hline 20 \\ - 18 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 8 \overline{) 6.66} \\ - 48 \downarrow \\ \hline 18 \\ - 16 \downarrow \\ \hline 20 \end{array}$$

0.666

0.67

$$\frac{1}{9} = 0.\overline{1} \quad 9 \overline{) 1.0}$$

$$\frac{3}{9} = 0.\overline{3} \quad 9 \overline{) 3.0}$$

$$\frac{5}{9} = 0.\overline{5} \quad 9 \overline{) 5.0}$$

$$\frac{7}{9} = 0.\overline{7}$$

$$\frac{8}{9} = 0.\overline{8}$$

$$\frac{7}{8} = 0.\overline{875}$$

$$\frac{5}{9} = 0.\overline{5}$$

$$\frac{1}{25} = 0.04$$

$$\frac{1}{6} = 0.\overline{16} = 0.1\overline{6}$$