

# Guided Practice

## 7.3

NAME \_\_\_\_\_

Module 7 Ratio, Proportion, and Percent  
Lesson 3 Decimal and Percent Equivalents

### Set 1

Find the decimal and percent equivalents.

1

$$\frac{19}{20}$$

$$\begin{array}{r} 0.95 \\ 20 \overline{)19.00} \\ \underline{0} \\ 190 \\ \underline{180} \\ 100 \\ \underline{100} \\ 0 \end{array}$$

$$\frac{19}{20} = 0.95 = 95\%$$

2

$$\frac{16}{25}$$

$$\begin{array}{r} 0.64 \\ 25 \overline{)16.00} \\ \underline{0} \\ 160 \\ \underline{150} \\ 100 \\ \underline{100} \\ 0 \end{array}$$

$$\frac{16}{25} = 0.64 = 64\% \text{ or } \frac{16}{25} \times \frac{4}{4} = \frac{64}{100}$$

3

$$\frac{49}{50}$$

$$\begin{array}{r} 0.98 \\ 50 \overline{)49.00} \\ \underline{0} \\ 490 \\ \underline{450} \\ 400 \\ \underline{400} \\ 0 \end{array}$$

$$\frac{49}{50} = 0.98 = 98\% \text{ or } \frac{49}{50} \times \frac{2}{2} = \frac{98}{100}$$

### Set 2

Find the decimal and percent equivalents.

1

$$\frac{4}{9}$$

$$\begin{array}{r} 0.\overline{4} \\ 9 \overline{)4.0} \\ \underline{0} \\ 40 \\ \underline{36} \\ 4 \end{array}$$

$$\frac{4}{9} = 0.\overline{4} = 44\frac{4}{9}\%$$

2

$$\frac{5}{11}$$

$$\begin{array}{r} 0.\overline{45} \\ 11 \overline{)5.00} \\ \underline{0} \\ 50 \\ \underline{44} \\ 60 \\ \underline{55} \\ 5 \end{array}$$

$$\frac{5}{11} = 0.\overline{45} = 45\frac{5}{11}\%$$

### Set 3

Find the decimal and percent equivalents.

1

$$8\frac{57}{100}$$

$$8\frac{57}{100} = 8.57 = 857\%$$

2

$$1\frac{7}{10}$$

$$1\frac{7}{10} = 1.7 = 170\%$$

3

$$9\frac{3}{20}$$

$$9\frac{3}{20} = 9\frac{15}{100} = 9.15 = 915\%$$