

# Lesson 1-3 Quiz Study Guide

Write each fraction or mixed number as a decimal.

$$1. \frac{7}{8} = .875$$

$$\begin{array}{r} .875 \\ 7.000 \\ -640 \\ \hline 60 \\ -56 \\ \hline 40 \end{array}$$

$$2. \frac{7}{15} = .4\bar{6}$$

$$\begin{array}{r} .4\bar{6} \\ 7.000 \\ -60 \\ \hline 100 \\ -90 \\ \hline 100 \end{array}$$

$$3. 4\frac{3}{25} = 4\frac{12}{100}$$

$$1. \underline{\quad .875 \quad}$$

$$2. \underline{\quad .4\bar{6} \quad}$$

$$3. \underline{\quad 4.12 \quad}$$

$$4. \underline{\quad 9/20 \quad}$$

$$5. \underline{\quad 1/8 \quad}$$

$$6. \underline{\quad 6\frac{1}{25} \quad}$$

$$7. \underline{\quad 98\frac{3}{5} \quad}$$

$$8. \underline{\quad .21 \quad}$$

$$9. \underline{\quad .004 \quad}$$

$$10. \underline{\quad 35\% \quad}$$

$$11. \underline{\quad 81.2\% \quad}$$

$$12. \underline{\quad 1/8 \quad}$$

$$13. \underline{\quad 12/25 \quad}$$

$$14. \underline{\quad 35\% \quad}$$

$$15. \underline{\quad 60\% \quad}$$

Write each decimal as a fraction or mixed number in simplest form.

$$4. 0.45 = \frac{45}{100} = \frac{9}{20}$$

$$5. 0.125 = \frac{125}{1000} = \frac{5}{40} = \frac{1}{8}$$

$$6. 6.04 = 6\frac{4}{100} = 6\frac{1}{25}$$

7. **HEALTH** The average human body temperature is  $98.6^\circ\text{F}$ . Write 98.6 as a mixed number in simplest form.

$$98\frac{6}{10} = 98\frac{3}{5}$$

Write each percent as a decimal.

$$8. 21\% = .21$$

$$9. 0.4\% = \frac{.4}{100} = .004$$

$$\frac{.4}{100} \text{ or } .004$$

Percent means  $\div$  by 100.

Write each decimal as a percent.

$$10. 0.35 = 35\%$$

$$11. 0.812 = 81.2\%$$

(move decimal to Right 2x)

$$35\%$$

$$81.2\%$$

(multiply by 100)

Write each percent as a fraction in simplest form.

$$12. 12.5\%$$

$$\frac{12.5}{100} = \frac{125}{1000} = \frac{5}{40} = \frac{1}{8}$$

$$13. 48\%$$

$$\frac{48}{100} = \frac{12}{25}$$

Write each fraction as a percent.

$$14. \frac{7}{20} = \frac{35}{100} = 35\%$$

$$15. \frac{3}{5} = \frac{60}{100} = 60\%$$