# Lesson 8.2  Percent to Fraction and Fraction to Percent

Percent to Fraction

$$40\% = 40 \times \frac{1}{100}$$
$$= \frac{40}{1} \times \frac{1}{100}$$
$$= \frac{40}{100} = \frac{2 \times 20}{5 \times 20}$$
$$= \frac{2}{5}$$

Fraction to Percent

$$\frac{1}{4} = \frac{1 \times 25}{4 \times 25}$$
$$= \frac{25}{100} = 25\%$$

Rename fraction with 100 as the denominator.

Mixed Numeral

$$2\frac{1}{5} = \frac{11}{5}$$
$$\frac{11 \times 20}{5 \times 20} = \frac{220}{100}$$
$$2\frac{1}{5} = 220\%$$

Write the percents as fractions in simplest form and the fractions and mixed numerals as percents.

| | a | b | c | d |
|---|---|---|---|---|
| **1.** | $30\% =$ _____ | $\frac{9}{20} =$ _____ | $19\% =$ _____ | $\frac{13}{50} =$ _____ |
| **2.** | $\frac{3}{4} =$ _____ | $32\% =$ _____ | $\frac{4}{5} =$ _____ | $48\% =$ _____ |
| **3.** | $1\frac{1}{2} =$ _____ | $44\% =$ _____ | $\frac{13}{20} =$ _____ | $56\% =$ _____ |
| **4.** | $110\% =$ _____ | $1\frac{3}{4} =$ _____ | $68\% =$ _____ | $\frac{19}{20} =$ _____ |
| **5.** | $\frac{3}{5} =$ _____ | $5\% =$ _____ | $\frac{13}{25} =$ _____ | $74\% =$ _____ |
| **6.** | $57\% =$ _____ | $\frac{7}{50} =$ _____ | $12\% =$ _____ | $\frac{19}{25} =$ _____ |
| **7.** | $6\% =$ _____ | $\frac{7}{10} =$ _____ | $38\% =$ _____ | $1\frac{2}{25} =$ _____ |
| **8.** | $\frac{9}{10} =$ _____ | $72\% =$ _____ | $\frac{27}{50} =$ _____ | $160\% =$ _____ |
| **9.** | $85\% =$ _____ | $\frac{1}{10} =$ _____ | $73\% =$ _____ | $39\% -$ _____ |
| **10.** | $\frac{1}{5} =$ _____ | $84\% =$ _____ | $\frac{23}{20} =$ _____ | $\frac{7}{20} =$ _____ |
| **11.** | $35\% =$ _____ | $\frac{3}{10} =$ _____ | $58\% =$ _____ | $4\% =$ _____ |
| **12.** | $1\frac{1}{4} =$ _____ | $140\% =$ _____ | $1\frac{3}{10} =$ _____ | $\frac{7}{25} =$ _____ |