

Activity 19 Assessment

Solving Problems Involving Percents, Fractions, and Decimals

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Writes a fraction as a decimal and a percent

$$\frac{3}{8} = 0.375 = 37.5\%$$

Writes a percent greater than 100% as a fraction and a decimal

$$135\% = \frac{135}{100} = 1.35$$

Writes a percent between 0% and 1% as a fraction and a decimal

$$0.3\% = \frac{0.3}{100} = \frac{3}{1000} = 0.003$$

Solves a problem involving converting among percents, fractions, and/or decimals

A farmer sold some land for \$450 000, and paid $3\frac{1}{2}\%$ commission to the real estate agent. How much money did the farmer get?

$$\begin{aligned} &3\frac{1}{2}\% \text{ of } \$450\,000 \\ &= 3.5\% \times \$450\,000 \\ &= 0.035 \times \$450\,000 \\ &= \$15\,750 \end{aligned}$$

$$\begin{aligned} \text{The farmer got:} \\ &\$450\,000 - \$15\,750 \\ &= \$434\,250 \end{aligned}$$

Observations/Documentation