

Chapter 2 Percents

Lesson 2-4 Page 133

1. 75 is what percent of 150?

$$75 = n \cdot 150 \quad \text{Write the percent equation.}$$

$$\frac{75}{150} = \frac{n}{150} \quad \text{Divide each side by 150.}$$

$$0.5 = n \quad \text{Simplify.}$$

Since n represents the decimal form, the percent is 50%.

So, 75 is 50% of 150.

- 9a. Let n represent the percent of viewers watching comedy, jokes, and bloopers.

$$52,540,000 = n \cdot 142,000,000 \quad \text{Write the percent equation.}$$

$$\frac{52,540,000}{142,000,000} = \frac{142,000,000n}{142,000,000} \quad \text{Divide each side by 142 million.}$$

$$0.37 = n \quad \text{Simplify.}$$

37% of viewers watch comedy, jokes, and bloopers.

- 9b. Let n represent the percent of viewers watching news stories.

$$44,020,000 = n \cdot 142,000,000 \quad \text{Write the percent equation.}$$

$$\frac{44,020,000}{142,000,000} = \frac{142,000,000n}{142,000,000} \quad \text{Divide each side by 142 million.}$$

$$0.31 = n \quad \text{Simplify.}$$

So, 31% of viewers watch news stories.