

REVIEW: Percents and Fractions

Name _____

Key Concept and Vocabulary

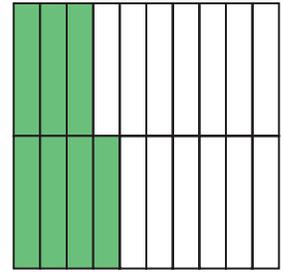
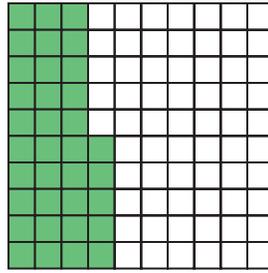
$$35\% = \frac{35}{100} = \frac{\cancel{5} \cdot 7}{\cancel{5} \cdot 20} = \frac{7}{20}$$

Write percent as a fraction in simplest form.



Visual Model

$$35\% = \frac{7}{20}$$



Skill Examples

- $40\% = \frac{40}{100} = \frac{\cancel{20} \cdot 2}{\cancel{20} \cdot 5} = \frac{2}{5}$
- $50\% = \frac{50}{100} = \frac{\cancel{50} \cdot 1}{\cancel{50} \cdot 2} = \frac{1}{2}$
- $25\% = \frac{25}{100} = \frac{\cancel{25} \cdot 1}{\cancel{25} \cdot 4} = \frac{1}{4}$
- $5\% = \frac{5}{100} = \frac{\cancel{5} \cdot 1}{\cancel{5} \cdot 20} = \frac{1}{20}$

Application Example

5. Your school's softball team won 30% of its games. Did the team win more than one-fourth of its games?

$$30\% = \frac{3}{10} \quad \frac{3}{10} > \frac{1}{4}$$

- Yes, the team won more than one-fourth of its games.



PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

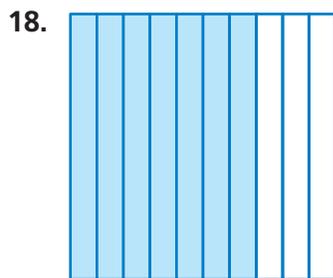
Write the percent as a fraction in simplest form.

- $20\% = \frac{1}{5}$
- $45\% = \frac{9}{20}$
- $7\% = \frac{7}{100}$
- $32.5\% = \frac{13}{40}$
- $15\% = \frac{3}{20}$
- $1\% = \frac{1}{100}$
- $150\% = \frac{3}{2}$
- $33\frac{1}{3}\% = \frac{1}{3}$

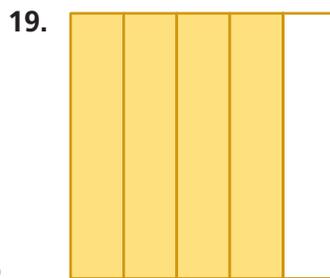
Write the fraction as a percent.

- $\frac{3}{20} = 15\%$
- $\frac{6}{5} = 120\%$
- $\frac{5}{8} = 62.5\%$
- $\frac{3}{5} = 60\%$

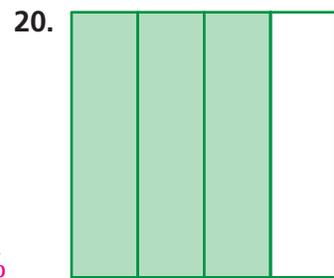
Write the fraction represented by the model as a percent.



70%



80%



75%

- SURVEY** Eighteen out of twenty people in a survey said that vanilla ice cream is their favorite flavor of ice cream. What percent is this? 90%
- SPANISH LANGUAGE** Twelve of the 40 students in your class can speak Spanish. What percent is this? 30%