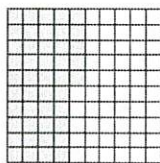


Vocabulary

• Percent - a ratio that compares a number to 100.

Example 45% \Rightarrow 45 out of 100 or $\frac{45}{100}$

Models



45%

Steps:

- 1.) The percent is the numerator.
- 2.) 100 is the denominator.

Guided Practice

Write each percent as two equivalent fractions.

1.) 15%

$$\frac{15}{100} = \frac{3}{20}$$

2.) 80%

$$\frac{80}{100} = \frac{4}{5}$$

3.) 33%

$$\frac{33}{100} = \frac{66}{200}$$

Write each fraction as a percent.

4.) $\frac{3}{10} \xrightarrow{\times 10} \frac{30}{100} = 30\%$

5.) $\frac{3}{20} \xrightarrow{\times 5} \frac{15}{100} = 15\%$

6.) $\frac{2}{5} \xrightarrow{\times 20} \frac{40}{100} = 40\%$

7.) Elsa ran 7 out of 10 days. What percent of the days did she run?

$$\frac{7}{10} \xrightarrow{\times 10} \frac{70}{100} = 70\%$$

8.) Mitch made 12 out of 40 shots during the championship game. What percent of his shots did Mitch make?

$$\frac{12}{40} \xrightarrow{\text{simplify}} \frac{6}{20} \xrightarrow{\times 5} \frac{30}{100} = 30\%$$

Partner Talk

In a recent year, 22% of E-mail users said they spend less time using E-mail because of spam. What fraction of E-mail users is this (in simplest form)?

$$\frac{22}{100} = \frac{11}{50}$$

Building on the Essential Question - Why is it helpful to write a fraction as a percent?

Percents can be easier to compare.

Rate Yourself - Are you ready to move on?

YES or NO