

Section 5 Applications with Percents

Percents means per 100 or “parts out of 100”

Converting Percents to Decimals

To convert a decimal to a fraction:

1. Drop the percent sign
2. Divide by 100. (or multiply by 0.01) This has the effect of moving the decimal two spaces to the left.

Example 1: Converting percents to decimals

Write 68% as a decimal.

Solution:

Converting Decimals to Percents

To convert a decimal to a percent: multiply by 100%. This has the effect of moving the decimal point two places to the right.

Example 2: Converting decimals to percents

Write 0.72 as a percent.

Solution:

Example 3: Converting decimals to percents

Write 1.36 as a percent.

Solution:

Example 4: Converting fractions to percents

Convert $\frac{3}{8}$ to a percent.

Example 5: Converting fractions to percents

Convert $1\frac{5}{8}$ to a percent.

Solving Percent Problems

Example 6: Solving Percent Problems

What percent of 300 is 57?

Example 7: Solving Percent Problems

What is 2% percent of 40?

Example 8: Solving Percent Problems

8 is 2% percent of what number?