

Lesson 4-3 • Apply Day

Reinforce Understanding

Estimate a Percent of a Number

I can estimate the percent of a number using benchmark percents, rounding, and compatible numbers.

Worked model

A school collected 412 cans. About 18.5% of them were soup cans. About how many soup cans is that?

1. Round the percent: 18.5% is close to the benchmark twenty percent.
2. Round the amount: 412 cans is close to the friendly number 400 cans.
3. Ten percent of 400 cans is 40 cans, and twenty percent is twice that.
4. The percent was rounded up and the total down, so the estimate runs a bit high.

Answer: About 80 of the cans were soup cans.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. (Lesson 4.1) Rewrite the new percent 0.04% as a decimal.

Complete each step, then write the final answer.

0.04% Model

1. Percent means divide by ____.
2. $0.04 \div 100 =$ ____.

Answer: _____

2. (Lesson 4.1) Rewrite the new percent 155% as a decimal.

Complete each step, then write the final answer.

100% Model

1. Percent means divide by ____.
2. $155 \div 100 =$ ____.

Answer: _____

3. (Lesson 4.1) Rewrite the new percent 0.06% as a decimal.

Complete each step, then write the final answer.

0.06% Model

1. Percent means divide by ____.
2. $0.06 \div 100 =$ ____.

Answer: _____