

Lesson 4-3

# Reinforce Understanding

## Estimate the Percent of a Number

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

### Worked model

A tablet holds 64 GB of storage and 47 GB are already used. About what percent of the tablet is full?

1. Name the whole: all 64 GB stands for one hundred percent.
2. Mark benchmarks: halfway is 32 GB, and three quarters of the way is 48 GB.
3. Locate the used amount, 47 GB — it sits right at the three-quarter mark.
4. Estimate with that benchmark, not with exact division.

**Answer: About three quarters — roughly seventy-five percent — of the tablet is full.**

### Practice

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

**1. Margaret's phone has 6 GB of storage and 4 GB is used. About what percent is used?**

Circle the letter of the best answer. Show how you know.

- A. About 25%
- B. About 40%
- C. About 70%
- D. About 150%

Show your work

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**2. On the double number line for 6 GB, what amount lines up with 25%?**

Circle the letter of the best answer. Show how you know.

- A. 1.25 GB
- B. 1.5 GB
- C. 2.5 GB
- D. 4 GB

**3. Which benchmark percents make good landmarks on a number line?**

Circle the letter of the best answer. Show how you know.

- A. 0%, 25%, 50%, 75%, 100%
- B. 3%, 17%, 62%, 94%
- C. Only 50%
- D. Only 100%

Show your work

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