

Lesson 4-3 • Group 1

Reinforce Understanding

4.3 Small Group • Group 1

With my small group, I can estimate the percent of a number using benchmark percents, rounding, and compatible numbers — one step at a time, with support.

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. Sort each problem by its best benchmark percent.

Write the name of the correct group on each line.

Groups: Use 10% (move the decimal) Use 50% (take half) Use 25% (take a quarter)

- _____ 8.6% of 216
- _____ 11% of 350
- _____ 48% of 90
- _____ 52% of 200
- _____ 26% of 80
- _____ 24% of 400

2. Complete the benchmark table for 240.

Complete the table. Show how you found each value.

Benchmark	Shortcut	Value
10% of 240		
1% of 240		
50% of 240		
25% of 240		

Show your work
