Name_____ Date_____ Period_____

LESSON 4-3 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Find Halves and Fourths

Builds on Grade 4

TODAY'S LESSON	You will estimate how much of a 240-page goal 118 pages is.
YOU NEED TO	Find half and a fourth of a number, like 240. **You will use it in Practice, problems 2, 4, 5, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Half**: divide the number by 2.
2. **A fourth**: take half of the half.
3. **Check**: double the fourth. You should get the half.

WATCH ME

the steps in action

Find half and a fourth of 120.

Step 1 Half: 120 ÷ 2 = 60.

Step 2 A fourth: 60 ÷ 2 = 30.

Step 3 Check: 30 × 2 = 60. It checks.

Answer **Half is 60. A fourth is 30.**

TRY IT WITH HELP

fill in each step

1. Find half and a fourth of 80.

Step 1 Half: 80 ÷ 2 = _____

Step 2 A fourth: _____ ÷ 2 = _____

Step 3 Check: _____ × 2 = _____

2. Find half and a fourth of 36.

Step 1 Half: 36 ÷ 2 = _____

Step 2 A fourth: _____ ÷ 2 = _____

Step 3 Check: _____ × 2 = _____

YOUR TURN

use the steps on your own

3. Find half and a fourth of each number.

a. Half of 48 = _____

b. A fourth of 48 = _____

c. Half of 200 = _____

d. A fourth of 200 = _____

e. Half of 160 = _____

f. A fourth of 160 = _____

Know Benchmark Percents

Builds on Lesson 4-2 Session 1

TODAY'S LESSON	You will place $310 against a $400 goal with 10%, 25%, 50%, and 75%.
YOU NEED TO	Find a benchmark percent of a number, like 75% of 80. **You will use it in Practice, problems 3, 6, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Change the percent to a **fraction**, like 25% = 1/4.
2. **Divide** the number by the bottom of the fraction.
3. **Multiply** by the top. A top of 1 changes nothing.

WATCH ME

the steps in action

Find 75% of 80.

Step 1 75% = 3/4.

Step 2 80 ÷ 4 = 20.

Step 3 20 × 3 = 60.

Answer **75% of 80 = 60**

TRY IT WITH HELP

fill in each step

4. Find 10% of 300.

Step 1 10% = 1/_____

Step 2 300 ÷ _____ = _____

Step 3 _____ × 1 = _____

5. Find 75% of 40.

Step 1 75% = _____/4

Step 2 40 ÷ 4 = _____

Step 3 _____ × _____ = _____

YOUR TURN

use the steps on your own

6. Find each amount.

a. 50% of 90 = _____

b. 25% of 200 = _____

c. 10% of 70 = _____

d. 75% of 12 = _____

e. 25% of 48 = _____

f. 10% of 250 = _____

READY CHECK

a problem like the one in today's lesson

7. A team's goal is 200 points. It has 148 points. Which benchmark amount is closest to 148?

A 25% of 200 = 50

B 50% of 200 = 100

C 75% of 200 = 150

D 100% of 200 = 200

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____