Name_____ Date_____ Period_____

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

Estimate with Benchmark Percents

Builds on Lesson 4-3 Session 1

TODAY'S LESSON	You will estimate about 74% of 158 plants.
YOU NEED TO	Round a percent like 26% to a benchmark like 25%, then estimate. **You will use it in Practice, problems 1 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Round the percent to the **closest benchmark**: 10%, 25%, 50%, or 75%.
2. Round the number to a **friendly** number.
3. Find the benchmark **amount**, like 25% of 80 = 80 ÷ 4.

WATCH ME

the steps in action

Estimate 49% of 82.

Step 1 49% is close to 50%.

Step 2 82 is close to 80.

Step 3 50% of 80 = 80 ÷ 2 = 40.

Answer **about 40**

TRY IT WITH HELP

fill in each step

1. Estimate 24% of 39.

Step 1 24% is close to _____%.

Step 2 39 is close to _____.

Step 3 _____% of _____ = _____

2. Estimate 11% of 302.

Step 1 11% is close to _____%.

Step 2 302 is close to _____.

Step 3 _____% of _____ = _____

YOUR TURN

use the steps on your own

3. Estimate each amount.

a. 52% of 98 is about _____ **b.** 26% of 81 is about _____ **c.** 9% of 61 is about _____

d. 74% of 41 is about _____ **e.** 48% of 203 is about _____ **f.** 24% of 121 is about _____

Find a Fraction of a Number

Builds on Grade 5

TODAY'S LESSON	You will find 1/2 of 180 to estimate 51% of 183 pounds.
YOU NEED TO	Find a fraction of a number, like 3/4 of 160. **You will use it in Practice, problems 2 and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Divide** the number by the bottom of the fraction.
2. **Multiply** that answer by the top of the fraction.
3. **Check**: the answer should be less than the number.

WATCH ME

the steps in action

Find 3/4 of 160.

Step 1 160 ÷ 4 = 40.

Step 2 40 × 3 = 120.

Step 3 120 is less than 160. It makes sense.

Answer **3/4 of 160 = 120**

TRY IT WITH HELP

fill in each step

4. Find 1/4 of 800.

Step 1 800 ÷ 4 = _____

Step 2 _____ × 1 = _____

Step 3 Is _____ less than 800? _____

5. Find 2/5 of 80.

Step 1 80 ÷ 5 = _____

Step 2 _____ × 2 = _____

Step 3 Is _____ less than 80? _____

YOUR TURN

use the steps on your own

6. Find each amount.

a. 1/2 of 90 = _____ **b.** 1/4 of 120 = _____ **c.** 3/4 of 40 = _____

d. 1/10 of 350 = _____ **e.** 2/5 of 50 = _____ **f.** 3/4 of 200 = _____

READY CHECK

a problem like the one in today's lesson

7. Which is a good estimate of 74% of 158?

A 3/4 of 160 = 120 **B** 1/4 of 160 = 40 **C** 1/2 of 160 = 80 **D** 74 + 158 = 232

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