Name_____ Date_____ Period_____

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

Write Percents as Decimals

Builds on Lesson 4-2 Session 1

TODAY'S LESSON	You will write 35% as 0.35 before you multiply.
YOU NEED TO	Write a percent like 5% as a decimal, 0.05. **You will use it in Practice, problems 1 and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1 Write the percent as **hundredths**: 6% = 6/100.

2 Write the hundredths with **two digits** after the point.

3 One-digit percent? Put a **zero** first: 6% = 0.06.

WATCH ME

the steps in action

Write 45% as a decimal.

Step 1 45% = 45/100.

Step 2 Two digits after the point: 0.45.

Step 3 45 has two digits. No extra zero.

Answer **45% = 0.45**

TRY IT WITH HELP

fill in each step

1. Write 8% as a decimal.

Step 1 8% = _____/100

Step 2 8 has one digit. Two digits: _____

Step 3 8% = _____

2. Write 70% as a decimal.

Step 1 70% = _____/100

Step 2 Two digits after the point: 0._____

Step 3 70% = _____

YOUR TURN

use the steps on your own

3. Write each percent as a decimal.

a. 25% = _____ **b.** 5% = _____ **c.** 60% = _____

d. 12% = _____ **e.** 3% = _____ **f.** 90% = _____

Estimate a Percent of a Number

Builds on Lesson 4-3 Session 2

TODAY'S LESSON	You will check that 0.65 × 320 = 208 pages makes sense.
YOU NEED TO	Estimate a percent of a number with friendly numbers. **You will use it in Practice, problems 5 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Round the percent to **tens**: 19% is about 20%.
2. Round the number to a **friendly** number: 237 is about 240.
3. Find **10%** (÷ 10). Multiply by the tens digit of the percent.

WATCH ME

the steps in action

Estimate 31% of 198.

Step 1 31% is about 30%.

Step 2 198 is about 200.

Step 3 10% of 200 = 20. 3 × 20 = 60.

Answer **about 60**

TRY IT WITH HELP

fill in each step

4. Estimate 22% of 48.

Step 1 22% is about _____%.

Step 2 48 is about _____.

Step 3 10% of _____ = _____. _____ × _____ = _____

5. Estimate 41% of 302.

Step 1 41% is about _____%.

Step 2 302 is about _____.

Step 3 10% of _____ = _____. _____ × _____ = _____

YOUR TURN

use the steps on your own

6. Estimate each amount.

a. 19% of 51 is about _____

b. 32% of 89 is about _____

c. 49% of 398 is about _____

d. 11% of 607 is about _____

READY CHECK

a problem like the one in today's lesson

7. Ana got 20.8 for 65% of 320. Which estimate shows she is wrong?

A 70% of 300 is about 210

B 65% of 320 is about 65

C 10% of 320 is 3.2

D 60% of 300 is 18

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