Name_____ Date_____ Period_____

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

Percent of a Number

Builds on Lesson 4-4 Session 1

TODAY'S LESSON	You will check that 33 of 55 votes is 60%, because 60% of 55 = 33.
YOU NEED TO	Find a percent of a number, like 40% of 50. **You will use it in Practice, problem 6.**

STEPS TO FOLLOW

use these same steps on every problem

1 Write the percent as a **decimal**: 60% = 0.6.

2 **Multiply** the decimal by the whole.

3 **Check**: under 100%, the part is less than the whole.

WATCH ME

the steps in action

Find 75% of 12.

Step 1 75% = 0.75.

Step 2 0.75 × 12 = 9.

Step 3 9 is less than 12. It makes sense.

Answer **75% of 12 = 9**

TRY IT WITH HELP

fill in each step

1. Find 40% of 50.

Step 1 40% = _____

Step 2 _____ × 50 = _____

Step 3 Is _____ less than 50? _____

2. Find 25% of 90.

Step 1 25% = _____

Step 2 _____ × 90 = _____

Step 3 Is _____ less than 90? _____

YOUR TURN

use the steps on your own

3. Find each amount.

a. 50% of 30 = _____ **b.** 20% of 45 = _____ **c.** 80% of 40 = _____

d. 10% of 65 = _____ **e.** 25% of 36 = _____ **f.** 90% of 70 = _____

Compare Ratios with Common Terms

Builds on Lesson 3-5 Session 1

TODAY'S LESSON	You will compare 45 of 60 members with 39 of 65 members.
YOU NEED TO	Compare two ratios by giving them the same whole. **You will use it in Practice, problems 4 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. Write each ratio as **part/whole**.
2. Scale both to the **same whole**.
3. Compare the **parts**. The bigger part is the better rate.

WATCH ME

the steps in action

Team A won 3 of 5. Team B won 7 of 10. Who did better?

Step 1 Team A: 3/5. Team B: 7/10.

Step 2 3/5 = 6/10 (multiply by 2).

Step 3 6 is less than 7. Team B did better.

Answer **Team B**

TRY IT WITH HELP

fill in each step

4. Ali got 4 of 5 right. Bo got 15 of 20 right. Who did better?

Step 1 Ali: _____/5. Bo: _____/20.

Step 2 4/5 = _____/20

Step 3 _____ > _____, so _____ did better.

5. Cam made 3 of 4 shots. Dee made 7 of 8. Who did better?

Step 1 Cam: 3/_____. Dee: 7/_____.

Step 2 3/4 = _____/8

Step 3 _____ < _____, so _____ did better.

YOUR TURN

use the steps on your own

6. Write <, >, or = in each blank.

a. 2/5 ___ 3/10

b. 3/4 ___ 6/8

c. 1/3 ___ 4/9

d. 7/10 ___ 16/20

READY CHECK

a problem like the one in today's lesson

7. Theo made 12 of 20 shots. Mia made 14 of 25. Who did better?

A Mia, 14 is more than 12

B Theo, 60% beats 56%

C They tie

D Mia, 25 is more than 20

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