Name_____ Date_____ Period_____

LESSON 4-5 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Use the Bridge Strategy

Builds on Lesson 3-3 Session 2

TODAY'S LESSON	You will find 100% when \$54 is 30%, by bridging through 10%.
YOU NEED TO	Use a friendly row as a bridge, like 10% or 1 item. **You will use it in Practice, problems 2 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Pick a **bridge**: a friendly row like 1 item or 10%.
2. **Divide** both numbers to reach the bridge.
3. **Multiply** both numbers to reach the row you need.

WATCH ME

the steps in action

6 tickets cost \$18. Find the cost of 10 tickets.

Step 1 Bridge: 1 ticket.

Step 2 18 ÷ 6 = 3, so 1 ticket costs \$3.

Step 3 3 × 10 = 30, so 10 tickets cost \$30.

Answer **\$30**

TRY IT WITH HELP

fill in each step

1. 4 pens cost \$12. Find the cost of 10 pens.

Step 1 Bridge: _____ pen.

Step 2 12 ÷ 4 = _____, so 1 pen costs \$_____.

Step 3 _____ × 10 = _____, so 10 pens cost \$_____.

2. 15 is 30% of a number. Find 100%.

Step 1 Bridge: _____%.

Step 2 30% ÷ 3 = 10%, so 15 ÷ 3 = _____.

Step 3 10% × 10 = 100%, so _____ × 10 = _____.

YOUR TURN

use the steps on your own

3. Use 1 as the bridge. Find the cost.

a. 3 apples cost \$6. 7 apples cost \$ _____

b. 4 books cost \$20. 9 books cost \$ _____

c. 6 pens cost \$12. 10 pens cost \$ _____

d. 5 cups cost \$15. 8 cups cost \$ _____

Name the Part and Whole

Builds on Lesson 4-4 Session 1

TODAY'S LESSON	You will find the whole puzzle when 84 pieces are 70% of it.
YOU NEED TO	Tell the part and the whole in "84 pieces is 70% of the puzzle." **You will use it in Practice, problems 3 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **percent**: the number with the % sign.
2. The **part** is the amount that is that percent.
3. The **whole** is what the percent is "of".

WATCH ME

the steps in action

84 pieces is 70% of the puzzle.

Step 1 The percent is 70%.

Step 2 The part is 84 pieces.

Step 3 The whole is the puzzle. It is the unknown.

Answer **Part: 84 pieces. Whole: the puzzle.**

TRY IT WITH HELP

fill in each step

4. A hat costs $21. That is 70% of its first price.

Step 1 The percent is _____%.

Step 2 The part is $_____.

Step 3 The whole is its _____.

5. 48 books were returned. That is 60% of the books borrowed.

Step 1 The percent is _____%.

Step 2 The part is _____ books.

Step 3 The whole is the books _____.

YOUR TURN

use the steps on your own

6. Write the part.

a. 12 seats are 40% of the room. _____

b. 30 mugs are 60% of the stock. _____

c. $9 is 45% of the bill. _____

d. 20 laps are 80% of the race. _____

READY CHECK

a problem like the one in today's lesson

7. 96 tickets were sold. That is 75% of all the seats. Which number is the part?

A 96 tickets **B** 75% **C** 100% **D** all the seats

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