4-1 • Guided Problem Solving

GPS **Student Page 130, Exercise 27:**

Cooking To make pancakes, you need 2 cups of water for every 3 cups of flour. Write an equivalent ratio to find how much water you will need with 9 cups of flour.

Understand

1. Circle the information you will need to solve.

2. What are you being asked to do?

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   _____

3. Why will a ratio help you to solve the problem?

   _____

   _____

   _____

Plan and Carry Out

4. What is the ratio of the cups of water to the cups of flour?   _____

5. How many cups of flour are you using?   _____

6. Write an equivalent ratio to use 9 cups of flour.   _____

7. How many cups of water are needed for 9 cups of flour?   _____

Check

8. Why is the number of cups of water triple the number of cups needed for 3 cups of flour?

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   _____

Solve Another Problem

9. Rebecca is laying tile in her bathroom. She needs 4 black tiles for every 16 white tiles. How many black tiles are needed if she uses 128 white tiles?

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