

## Lesson 3-3

# Reinforce Understanding

## Determine Equivalent Ratios Using Tables

I can use a ratio table to find equivalent ratios.

### Worked model

A fruit bowl uses 5 apples for every 2 oranges. Fill the table for 15 apples.

1. Write the base ratio. 5 apples : 2 oranges
2. Find the factor.  $5 \times ? = 15$ , so the factor is 3
3. Multiply BOTH rows by the same factor.  $5 \times 3 = 15$   $2 \times 3 = 6$
4. Never ADD to make equivalent ratios — adding changes the comparison.

**Answer: 15 apples go with 6 oranges.**

### Practice

Complete each exercise. Show the reasoning that supports your answer.

**1. A cookie recipe uses 2 cups of butter for every 5 cups of flour. Complete the ratio table.**

Complete the table. Show how you found each value.

| Batches | Butter (cups) | Flour (cups) |
|---------|---------------|--------------|
| 1       | 2             | 5            |
| 2       |               |              |
| 3       |               |              |

Show your work

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**2. A recipe uses 3 eggs for every 5 cups of flour. How many eggs are needed for 15 cups of flour?**

Circle the letter of the best answer. Show how you know.

- A. 6
- B. 9
- C. 10
- D. 12

Show your work

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**3. Which row does NOT belong in a ratio table for 4:5?**

Circle the letter of the best answer. Show how you know.

- A. 6:10
- B. 8:10
- C. 12:15
- D. 16:20

Show your work

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