

Lesson 3-3 • Group 2

Reinforce Understanding

3.3 Small Group • Group 2

I can use a ratio table to find equivalent ratios, explain why the method works, and use it on a problem I have not seen before.

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. Complete the ratio table for lemon juice to water in Chef Reyes's lemonade recipe (1 cup lemon juice for every 4 cups water).

Complete the table. Show how you found each value.

Pitchers	Lemon Juice (cups)	Water (cups)
1	1	4
2		
5		
10		

Show your work

2. Which rows belong in a ratio table for 3:4? Sort them into correct and incorrect.

Write the name of the correct group on each line.

Groups: Belongs in 3:4 Table Does NOT Belong

- _____ 6:8
- _____ 9:12
- _____ 15:20
- _____ 6:10
- _____ 12:14
- _____ 9:16