

Lesson 3-3 • Apply Day

Reinforce Understanding

The Bridge Strategy (Scaling Ratios)

I can use a ratio table to find equivalent ratios.

Worked model

A glaze uses 8 spoons honey to 20 spoons water. How much water for 12 spoons of honey?

1. Notice the problem: $8 \times$ a whole number never equals 12.
- 2.
3. — simplify DOWN to the bridge. $8 : 20 \div 4 \rightarrow 2 : 5$
- 4.
5. — multiply the bridge UP to the target. $2 \times 6 = 12$
6. Use the same factor on the other term. $5 \times 6 = 30$

Answer: 12 spoons of honey need 30 spoons of water.

Practice

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

1. (Lesson 3.1) A new model has 2 blue tiles for every 3 gold tiles. Write the ratio blue:gold.

Complete each step, then write the final answer.

1. Blue tiles: ____.
2. Gold tiles: ____.
3. Write blue first, then gold: ____.

Answer: _____

2. (Lesson 3.1) A new model has 3 blue tiles for every 5 gold tiles. Write the ratio blue:gold.

Complete each step, then write the final answer.

1. Blue tiles: ____.
2. Gold tiles: ____.
3. Write blue first, then gold: ____.

Answer: _____

3. (Lesson 3.1) A new model has 4 blue tiles for every 7 gold tiles. Write the ratio blue:gold.

Complete each step, then write the final answer.

1. Blue tiles: ____.
2. Gold tiles: ____.
3. Write blue first, then gold: ____.

Answer: _____