

Lesson 3-4 • Apply Day

Reinforce Understanding

Interpreting Points on Ratio Graphs

I can graph the values from a ratio table as points on the coordinate plane.

Worked model

A graph shows crayons in boxes (x = boxes, y = crayons). The line passes through (1, 9).

1. Find the unit rate point (1, r). $r = 9$, so 1 box holds 9 crayons.
2. Read x FIRST, then y — never flip them.
3. Interpret another point. (4, 36) means 4 boxes hold 36 crayons.
4. Predict with the unit rate. 7 boxes: $7 \times 9 = 63 \rightarrow (7, 63)$

Answer: (1, 9) is the unit rate: 1 box holds 9 crayons.

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: _____