

Lesson 3-10 • Catch-up

Reinforce Understanding**3.4–3.10 Catch-Up**

I can show I am caught up on Lessons 3.4–3.10 by using each lesson's big idea in mixed practice.

Worked model

Lesson 3.4 — Determine Equivalent Ratios Using Graphs: The points from equal ratios form a straight line that passes through the origin (0, 0).

1. Lesson 3.5 — Compare Ratio Relationships: Compare ratios fairly by making one part equal or by finding the unit rate.
2. Lesson 3.6 — Ratio Reasoning: Convert Measurements within the Same System: Write the conversion factor as a unit ratio (12 inches : 1 foot), then multiply to go to the smaller unit and divide to go to the larger one. The amount never changes — only the unit does.
3. Lesson 3.7 — Ratio Reasoning: Convert Measurements Between Systems: Write the conversion factor as a ratio (1 km $\approx$ 0.6 mi), then scale it with a ratio table until it reaches your amount. Between systems the result is approximate, so write $\approx$, not $=$.
4. Lesson 3.8 — Solve Problems with Unit Rates: Divide the price by the number of items to get the cost per unit. The lower cost per unit is the better buy.
5. Lesson 3.9 — Equivalent Ratios: Multiply or divide both numbers by the same amount to make an equivalent ratio.
6. Lesson 3.10 — Convert Measurement Units: Multiply when changing to a smaller unit, and divide when changing to a bigger unit.

Practice

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

1. (Lesson 3.4) A ratio table shows (2, 6), (4, 12), and (6, 18). Which ordered pair comes next if the pattern continues?

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

- A. (7, 20)
- B. (8, 24)
- C. (8, 22)
- D. (10, 24)

Show your work

2. (Lesson 3.4) When you graph equivalent ratios, the points will always form what shape?

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

- A. A curved line
- B. A zigzag
- C. A circle
- D. A straight line through the origin

Show your work
