

Lesson 5-6 • Catch-up

Reinforce Understanding

5.5 • 5.6 • 5.10 Catch-Up

I can show I am caught up on Lessons 5.5 • 5.6 • 5.10 by using each lesson's big idea in mixed practice.

Worked model

A triangular prism has 2 triangle bases and 3 rectangular side faces. Draw and describe its net.

1. List the attributes. bases: 2 triangles side faces: 3 rectangles
2. Draw the 3 rectangles in a row — these wrap around the outside.
3. Attach 1 triangle to the top edge of the row and 1 to the bottom edge.
4. Check: five flat pieces, and every folding edge has a partner.

Answer: The net is a row of 3 rectangles with a triangle on the top edge and one on the bottom.

Practice

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

1. (Lesson 5.5) What is the volume of a rectangular prism with $l = 7$ in, $w = 3$ in, $h = 4$ in?

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

- A. 14 in^3
- B. 42 in^3
- C. 84 in^3
- D. 84 in^2

2. (Lesson 5.5) A time capsule box has a volume of 120 cm^3 . Its length is 10 cm and width is 4 cm. What is its height?

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

- A. 3 cm
- B. 4 cm
- C. 6 cm
- D. 12 cm

3. (Lesson 5.6) A rectangular prism has $l = 6$ in, $w = 4$ in, $h = 2$ in. What is its surface area?

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

- A. 44 in^2
- B. 48 in^2
- C. 88 in^2
- D. 88 in^3