

Lesson 5-2 • Catch-up

Reinforce Understanding

5.1 • 5.2 • 5.3 Catch-Up

I can show I am caught up on Lessons 5.1 • 5.2 • 5.3 by using each lesson's big idea in mixed practice.

Worked model

A triangle has a base of 16 cm and a perpendicular height of 9 cm. Find the area.

1. Two copies of a triangle form a parallelogram, so a triangle is half of one.
2. Write the formula. $A = \frac{1}{2} \times b \times h$
3. Name the parts. $b = 16$ cm $h = 9$ cm, meeting the base at a square corner
4. Multiply, then halve. $16 \times 9 = 144$, and half of 144 is 72

Answer: The area of the triangle is 72 square centimeters (72 cm^2).

Practice

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

1. (Lesson 5.1) What is the area of a parallelogram with base 10 cm and height 7 cm?

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

- A. 17 sq cm
- B. 34 sq cm
- C. 70 sq cm
- D. 70 cm

2. (Lesson 5.1) A parallelogram has an area of 54 sq ft and a base of 9 ft. What is the height?

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

- A. 6 ft
- B. 27 ft
- C. 45 ft
- D. 63 ft

3. (Lesson 5.2) What is the area of a triangle with base 10 cm and height 6 cm?

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

- A. 16 sq cm
- B. 30 sq cm
- C. 30 cm
- D. 60 sq cm