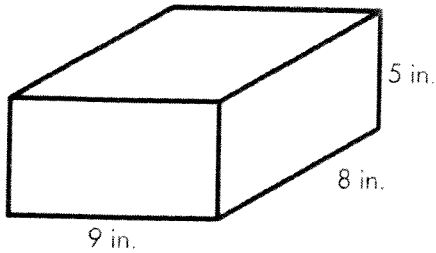


Name _____

Quick Check

13-5

1. What is the volume of the box?



- A 720 in³
B 360 in³
C 72 in³
D 45 in³
2. What is the volume of a rectangular prism with a base area of 32 cm² and a height of 7 cm?
- A 4 cm³
B 39 cm³
C 214 cm³
D 224 cm³
3. An aquarium is 30 inches long, 15 inches high, and 12 inches wide. What is the volume of the aquarium?
- A 5,400 in³
B 4,500 in³
C 360 in³
D 180 in³
4. **Writing to Explain** A box is 42 inches long, 16 inches wide, and 23 inches high. Explain how to find the volume of the box.

Quick Check 13-5

Name _____

Practice

13-5

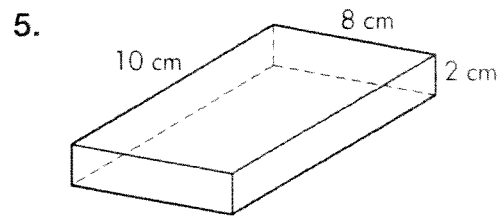
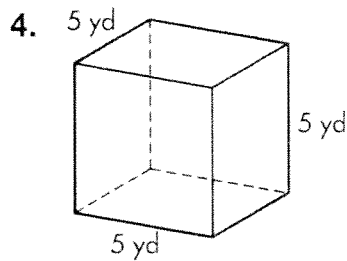
Volume

Find the volume of each rectangular prism.

1. base area 56 in^2 , height 6 in. _____

2. base area 32 cm^2 , height 12 cm _____

3. base area 42 m^2 , height 8 m _____

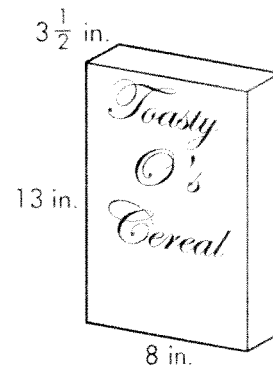


6. **Algebra** What is the height of a solid with a volume of 120 m^3 and base area of 30 m^2 ? _____

Michael bought some cereal at the grocery store.

7. What is the base area of the box? _____

8. What is the volume of the box? _____



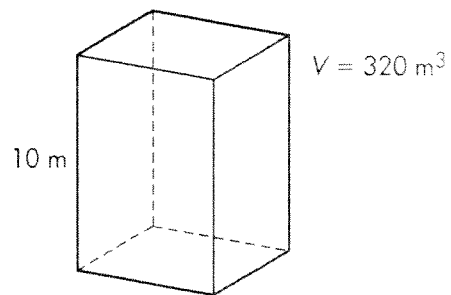
9. What is the base area of this figure?

A 3.2 m^2

C 320 m^2

B 32 m^2

D $3,200 \text{ m}^2$



10. **Explain It** Explain how you would find the base area of a rectangular prism if you know the volume and the height.

Practice 13-5