Name _____

Volume

Find the volume of each rectangular prism.

1. base area 56 in^2, height 6 in. _____
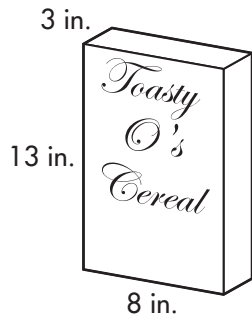
2. base area 32 cm^2, height 12 cm _____

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

4.

5 yd, 5 yd, 5 yd

_____

5.

8 cm, 10 cm, 2 cm

_____
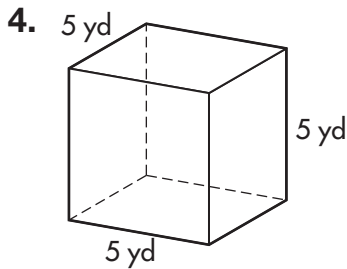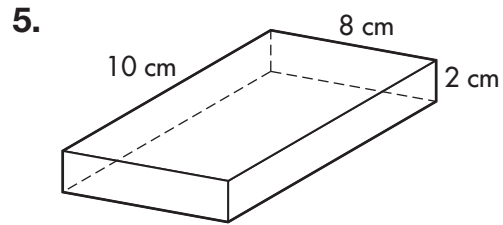
6. What is the volume of the cereal box?

_____

3 in.

13 in. Toasty O's Cereal

8 in.

7. What is the volume of this solid?

A 3.2 m^3 **C** 320 m^3

B 32 m^3 **D** 3,200 m^3

10 m, 8 m, 4 m
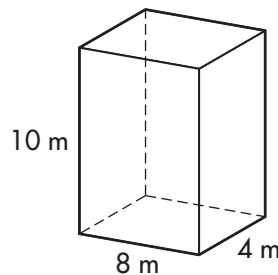
8. What is the height of a solid with a volume of 120 m^3 and base area of 30 m^2?

_____

9. Bradford has an aquarium with a base that is 22 inches × 12 inches and a height that is 15 inches. What is the volume of the aquarium? Would the volume of the aquarium change if it did not have a lid? Explain.

_____

_____

_____