Volume of rectangular prisms
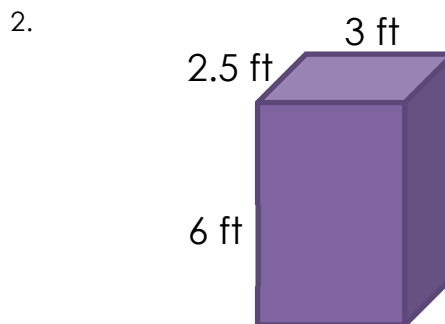
Grade 5 Geometry Worksheet

> **Volume = length x width x height**
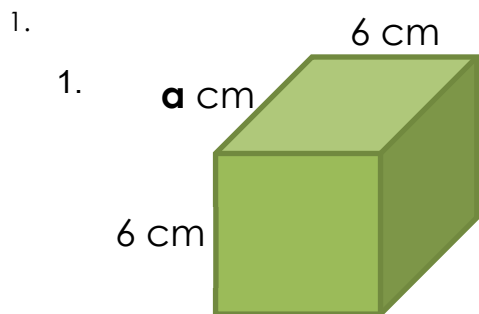
1.

1.

6 cm

a cm

6 cm

Volume = 288 cm³

a = _____

2.

3 ft

2.5 ft

6 ft

Volume = _____

= _____

3.

5 in

6 in

b in

Volume = 90 in³

b = _____

4.

4 cm

2 cm

c cm

Volume = 28 cm³

c = _____

5.

9 in

7.5 in

2 in

Volume = _____

= _____

6.

10 m

3 m

1.5 m

Volume = _____

= _____
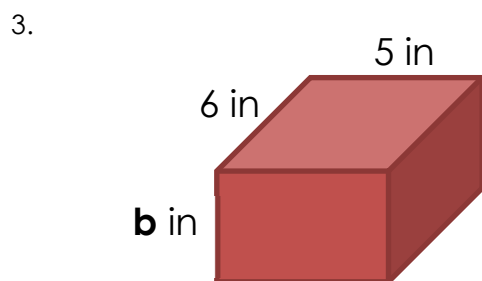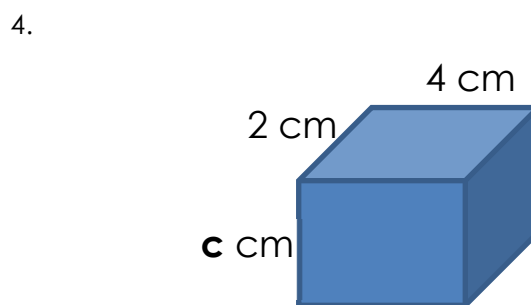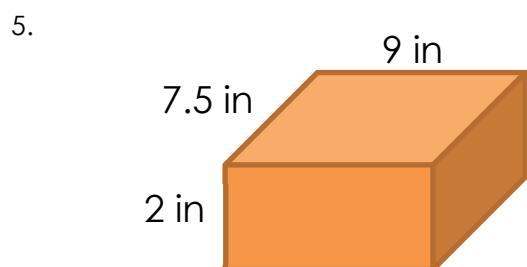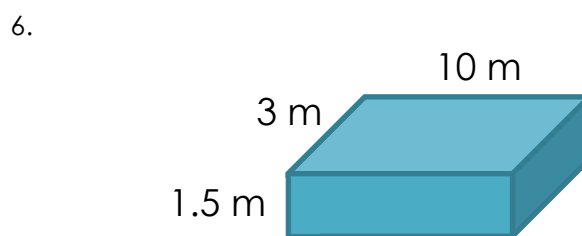
Answers

1. a = 8 cm

2. Volume   = 3 ft x 2.5 ft x 6 ft

               = 45 ft^3

3. b = 3 in

4. c = 3.5 cm

5. Volume   = 9 in x 7.5 in x 2 in

               = 135 in^3

6. Volume   = 3 m x 10 m x 1.5 m

               = 45 m^3