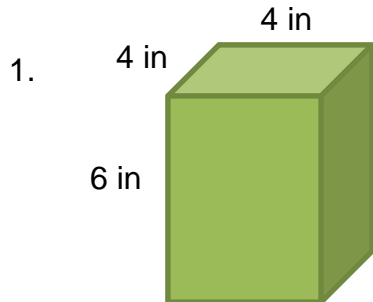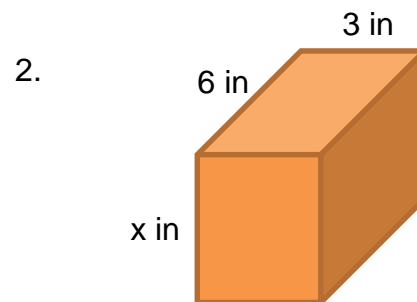# Volume of rectangular prisms

Grade 5 Geometry Worksheet

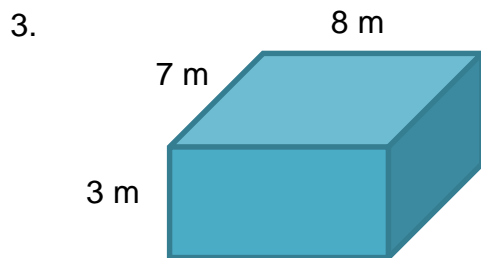Volume = length x width x height

1.

4 in

4 in

6 in

Volume = _____

= _____in^3

2.

3 in

6 in

x in

Volume = 90 in^3

x = _____

3.

8 m

7 m

3 m

Volume = _____

= _____m^3

4.

y cm

2 cm

7 cm

Volume = 98 cm^3

y = _____

5

7.5 ft

z ft

4 ft

Volume = 60 ft^3

z = _____

6.

9 in

9 in

9 in
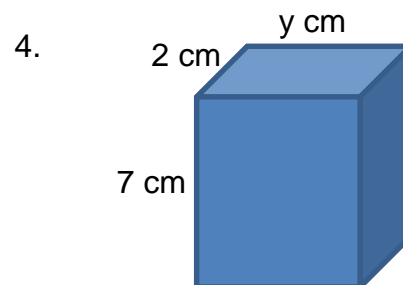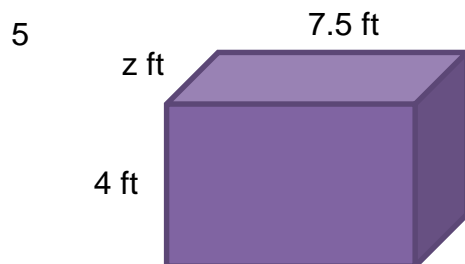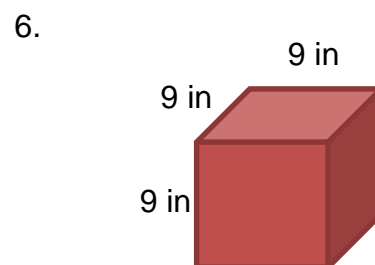
Volume = _____

= _____in^3

Answers

1. Volume   = 4 in x 4 in x 6 in

    = 96 in^3

2. x = 5 in

3. Volume   = 3 m x 7 m x 8 m

    = 168 m^3

4. y = 7 cm

5. z = 2 ft

6. Volume   = 9 in x 9 in x 9 in

    = 729 in^3