Volume of rectangular prisms

Grade 4 Geometry Worksheet
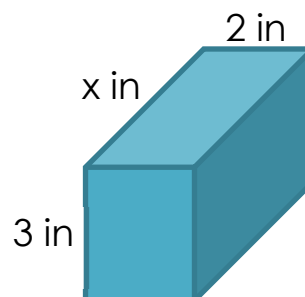
$$\boxed{\text{Volume = length x width x height}}$$

1.

? ft
? ft
? ft
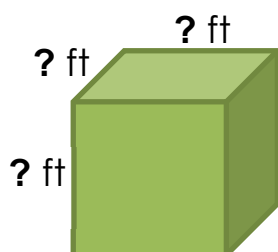
If the volume of the cube is 1 ft³,

each side of this cube is _____ft.

2.

2 in
x in
3 in

If the volume of prism is 60 in³,

x = _____

3.

y cm
4 cm
5 cm
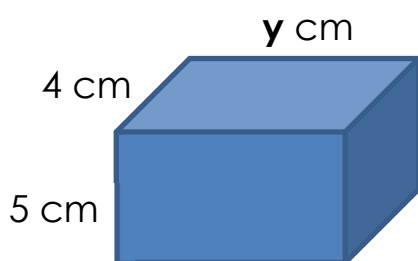
If the volume of prism is 160 cm³,

y = _____

4.

10 m
x m
8 m
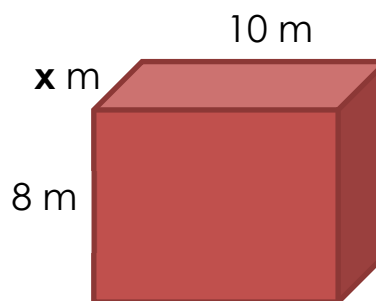
If the volume of prism is 240 m³,

x = _____

5.

9 in
7 in
x in
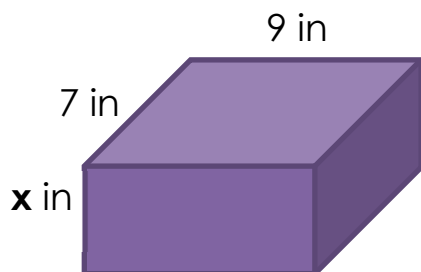
If the volume of prism is 189 in³,

x = _____

6.

? in
? in
? in
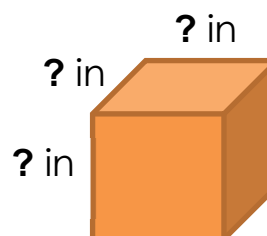
If the volume of the cube is 8 in³,

each side of this cube is ____in.

Answer

1. 1 foot

2. x = 10 in

3. y = 8 cm

4. x = 3 m

5. x = 3 in

6. 2 in