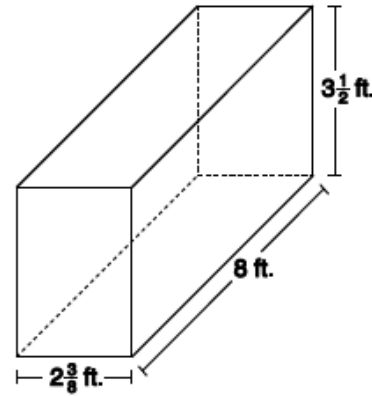


1. The volume of a rectangular sand box is $7\frac{1}{2}\text{ m}^3$. The area of the base is $4\frac{1}{2}\text{ m}^2$. What is the height of the sand box?

2. Determine the volume of a cube with a side length of 4 cm.

10

Find the volume, in cubic feet, of the right rectangular prism pictured below.



- A $8\frac{5}{16}$
B 19
C $48\frac{3}{16}$
D $66\frac{1}{2}$

1. The volume of a rectangular sand box is $7\frac{1}{2} \text{ m}^3$. The area of the base is $4\frac{1}{2} \text{ m}^2$. What is the height of the sand box?

$$V = B \cdot h$$

$$7\frac{1}{2} = 4\frac{1}{2} \cdot h$$

$$\div 4\frac{1}{2} \quad \div 4\frac{1}{2}$$

$$\frac{15}{2} \div \frac{9}{2}$$

$$\frac{5 \cancel{15}}{2} \cdot \frac{2 \cancel{1}}{\cancel{9}_3}$$

$$\frac{5}{3} = \boxed{1\frac{2}{3} \text{ m} = h}$$

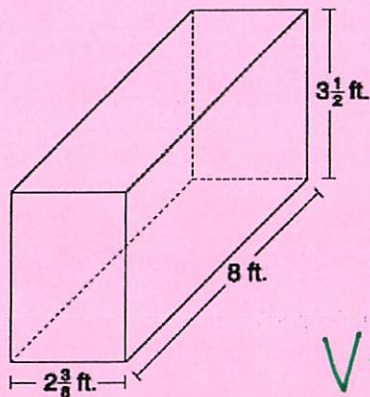
2. Determine the volume of a cube with a side length of 4 cm.

$$l = w = h = 4 \text{ cm}$$

$$V = 4 \cdot 4 \cdot 4$$

$$\boxed{V = 64 \text{ cm}^3}$$

10 Find the volume, in cubic feet, of the right rectangular prism pictured below.



$$V = 2\frac{3}{8} \cdot 8 \cdot 3\frac{1}{2}$$

$$\frac{19}{8} \cdot \frac{8}{1} \cdot \frac{7}{2} = \frac{133}{2}$$

A $8\frac{5}{16}$

B 19

C $48\frac{3}{16}$

D $66\frac{1}{2}$

$$V = 66\frac{1}{2} \text{ ft}^3$$