

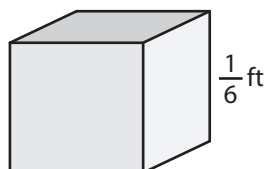
Name : \_\_\_\_\_

## Volume - Cube

Sheet 1

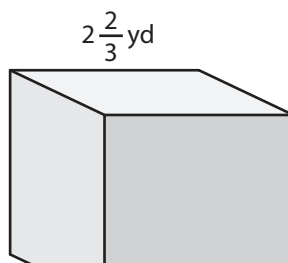
A) Find the volume of each cube.

1)



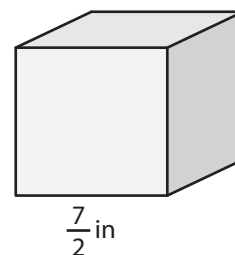
Volume = \_\_\_\_\_

2)



Volume = \_\_\_\_\_

3)



B) Find the volume of each cube.

4) side length =  $\frac{4}{9}$  ft

Volume = \_\_\_\_\_

6) side length =  $\frac{5}{7}$  in

Volume = \_\_\_\_\_

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side length =  $\frac{6}{5}$  yd

Volume = \_\_\_\_\_

side length =  $1\frac{1}{8}$  ft

Volume = \_\_\_\_\_

8) If a side of an ice cube measures  $1\frac{2}{3}$  inches, what is the total volume of 9 such ice cubes?

\_\_\_\_\_

Name : \_\_\_\_\_

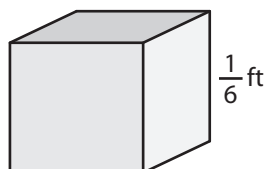
## Answer key

### Volume - Cube

Sheet 1

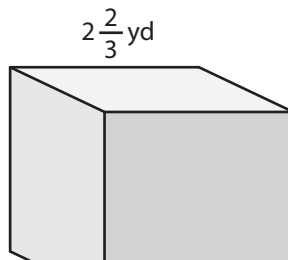
A) Find the volume of each cube.

1)



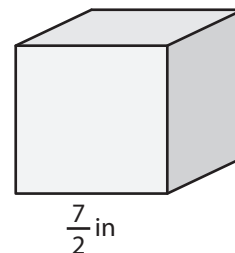
Volume =  $\frac{1}{216}$  ft<sup>3</sup>

2)



Volume =  $\frac{343}{8}$  or  $42\frac{7}{8}$  in<sup>3</sup>

3)



B) Find the volume of each cube.

4) side length =  $\frac{4}{9}$  ft

Volume =  $\frac{64}{729}$  ft<sup>3</sup>

6) side length =  $\frac{5}{7}$  in

Volume =  $\frac{125}{343}$  in<sup>3</sup>

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side length =  $\frac{6}{5}$  yd

Volume =  $\frac{216}{125}$  or  $1\frac{91}{125}$  yd<sup>3</sup>

side length =  $1\frac{1}{8}$  ft

Volume =  $\frac{729}{512}$  or  $1\frac{217}{512}$  ft<sup>3</sup>

8) If a side of an ice cube measures  $1\frac{2}{3}$  inches, what is the total volume of 9 such ice cubes?

$\frac{125}{3}$  or  $41\frac{2}{3}$  cubic inches