

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

## Volume - Cube

Sheet 3

Find the side length of each cube. Round your answer to the nearest tenth.

1) Volume =  $77 \text{ yd}^3$

2) Volume =  $216 \text{ in}^3$

3) Volume =  $1,000 \text{ ft}^3$

side length = \_\_\_\_\_

side length = \_\_\_\_\_

4) Volume =  $343 \text{ in}^3$

Volume =  $6,998 \text{ yd}^3$

side length = \_\_\_\_\_

side length = \_\_\_\_\_

7) It takes 36,000 cubic feet to fill a pool.  
Round your answer to the nearest tenth.

Find the side length of the pool.

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8) A cubical fish tank has a volume of 20 cubic feet. Find the length of each side of the fish tank. Round your answer to the nearest tenth.

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

## Answer key

### Volume - Cube

Sheet 3

Find the side length of each cube. Round your answer to the nearest tenth.

1) Volume =  $77 \text{ yd}^3$

2) Volume =  $216 \text{ in}^3$

3) Volume =  $1,000 \text{ ft}^3$

side length = 4.3

side length = 10 ft

4) Volume =  $343 \text{ in}^3$

Volume =  $6,998 \text{ yd}^3$

side length = 7

side length = 19.1 yd

7) It takes 36,000 cubic  
Round your answer

side length of the pool.

8) A cubical fish tank has a volume of 20 cubic feet. Find the length of each side of the fish tank. Round your answer to the nearest tenth.

2.7 feet

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