



## Application\_Grade-6\_Mensuration

An Introduction to the Surface Area of Cubes and Cuboids

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

1) Surface area = 1,176 in<sup>2</sup>      2) Surface area = 53 ft<sup>2</sup>      3) Surface area = 2,905 yd<sup>2</sup>

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

4) Surface area = 387 ft<sup>2</sup>      5) Surface area = 1,734 yd<sup>2</sup>      6) Surface area = 1,579 in<sup>2</sup>

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

7) Determine the side length of the cube whose surface area is 661 square inches. Round your answer to the nearest tenth.

8) If the surface area of the cube is 2,168 square feet, find its side length. Round your answer to the nearest tenth.