

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 = $1,176 \text{ in}^2$ 2) Surface area = 53 ft^2 3) Surface area = $2,905 \text{ yd}^2$

side length = _____ side length = _____ side length = _____

- 4) Surface area = 387 ft^2 5) Surface area = $1,734 \text{ yd}^2$ 6) Surface area = $1,579 \text{ in}^2$

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.
