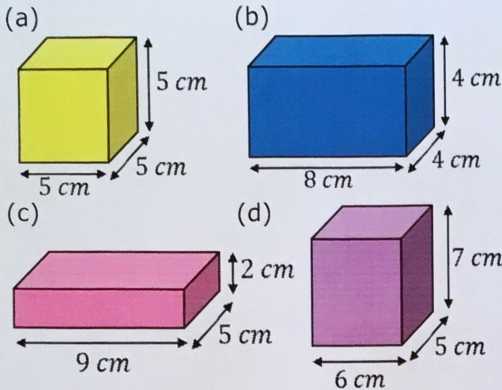


Volume and Surface Area of Cuboids

Find the volume and surface area of each of these cubes or cuboids.



$$(a) \quad V = 125 \text{ cm}^3$$

$$A = 150 \text{ cm}^2$$

$$(b) \quad V = 128 \text{ cm}^3$$

$$A = 160 \text{ cm}^2$$

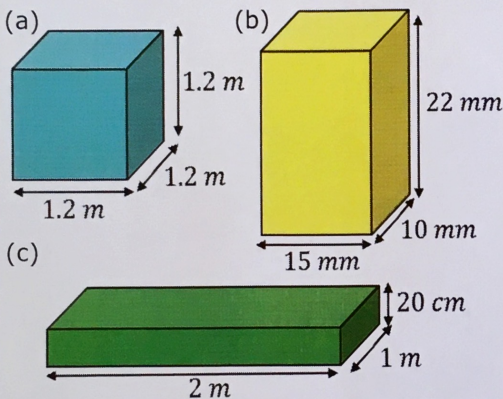
$$(c) \quad V = 90 \text{ cm}^3$$

$$A = 146 \text{ cm}^2$$

$$(d) \quad V = 210 \text{ cm}^3$$

$$A = 214 \text{ cm}^2$$

Find the volume and surface area of each of these cubes or cuboids.



$$(a) \quad V = 1.728 \text{ m}^3$$

$$A = 8.64 \text{ m}^2$$

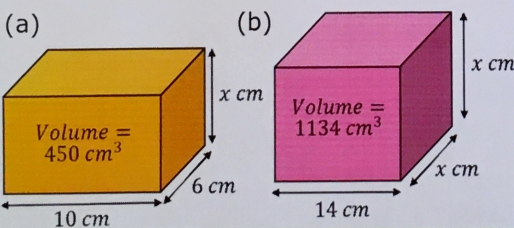
$$(b) \quad V = 3300 \text{ mm}^3$$

$$A = 1400 \text{ mm}^2$$

$$(c) \quad V = 0.4 \text{ m}^3 = 400000 \text{ cm}^3$$

$$A = 5.2 \text{ m}^2 = 52000 \text{ cm}^2$$

Find the missing lengths in these cubes and cuboids.



$$(a) \quad x = 7.5 \text{ cm}$$

$$(b) \quad x = 9 \text{ cm}$$

(a) A cube has a volume of 5832 cm^3 .

Find its side length.

(b) A cuboid with side lengths, $x \text{ cm}$, 5 cm and 8 cm has a surface area of 197 cm^2 .

Find x .

$$(a) \quad 18 \text{ cm}$$

$$(b) \quad 4.5 \text{ cm}$$