## Surface Area of Cubes and Cuboids

Find the surface area of each of these cubes.
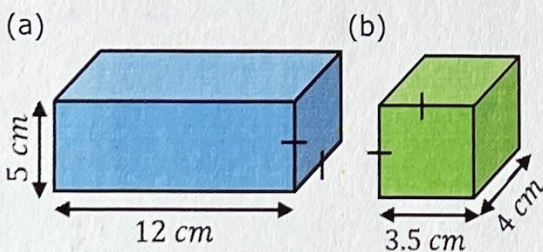
(a)

(b) 20 mm

5 cm

(c) 1.5 m
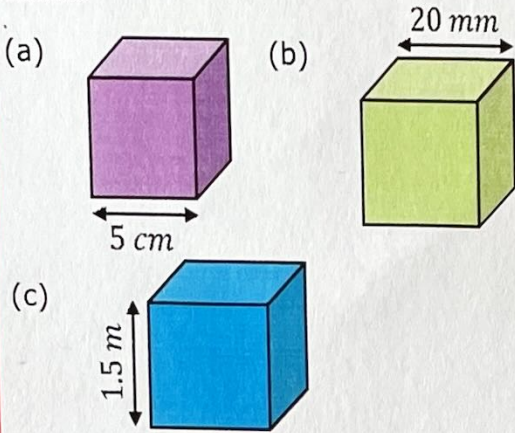
(a) $150 \text{ cm}^2$

(b) $2400 \text{ mm}^2$

(c) $13.5 \text{ m}^2$

Find the surface area of each of these cuboids.

(a) 3 cm, 6 cm, 4 cm

(b) 25 mm, 10 mm, 8 mm

(c) 2 m, 3.5 m, 3 m
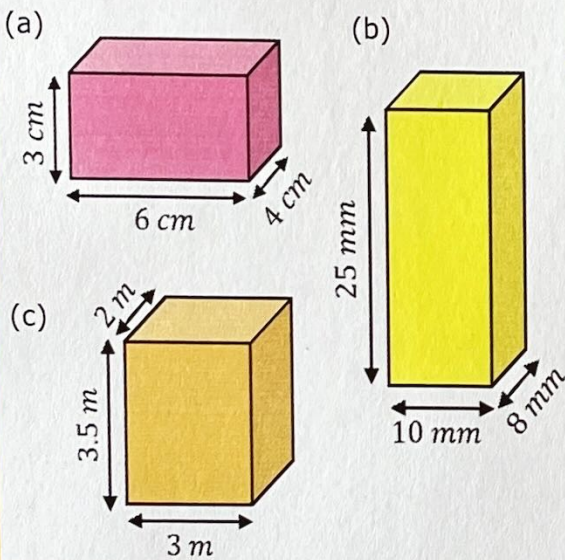
(a) $108 \text{ cm}^2$

(b) $1060 \text{ mm}^2$

(c) $47 \text{ m}^2$

Find the surface area of these cuboids.

(a) 5 cm, 12 cm

(b) 3.5 cm, 4 cm

(a) $290 \text{ cm}^2$

(b) $80.5 \text{ cm}^2$

(a) A cube has a side length of $x$ cm and a surface area of $337.5 \text{ cm}^2$. Find $x$.

(b) A cuboid has side lengths 5 cm, 8 cm and $y$ cm. Its surface area is $314 \text{ cm}^2$. Find $y$.

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

(b) $y = 9 \text{ cm}$