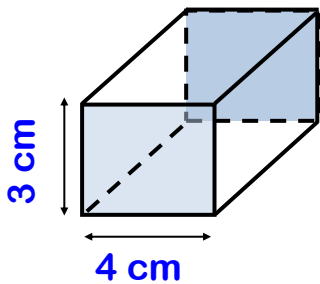


Find the total surface area of this cuboid

Notice: How many sides does it have?

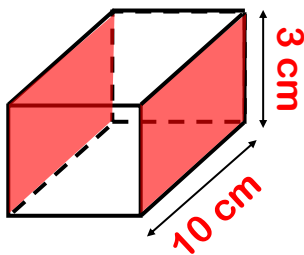


Area of one blue rectangle face =

$$3 \text{ cm} \times 4 \text{ cm} = 12 \text{ cm}^2$$

Area of two blue rectangle faces =

$$12 \text{ cm}^2 \times 2 = 24 \text{ cm}^2$$

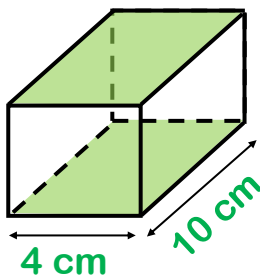


Area of one red rectangle face =

$$3 \text{ cm} \times 10 \text{ cm} = 30 \text{ cm}^2$$

Area of two red faces =

$$30 \text{ cm}^2 \times 2 = 60 \text{ cm}^2$$

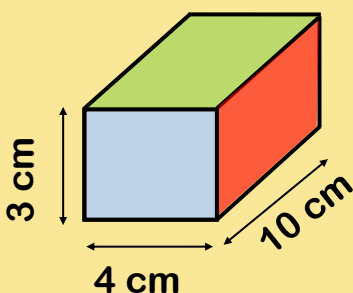


Area of one green rectangle face =

$$4 \text{ cm} \times 10 \text{ cm} = 40 \text{ cm}^2$$

Area of two green faces =

$$40 \text{ cm}^2 \times 2 = 80 \text{ cm}^2$$



Total surface area =

$$24 \text{ cm}^2 + 60 \text{ cm}^2 + 80 \text{ cm}^2 = \underline{164 \text{ cm}^2}$$