

SA of Rectangular Prisms

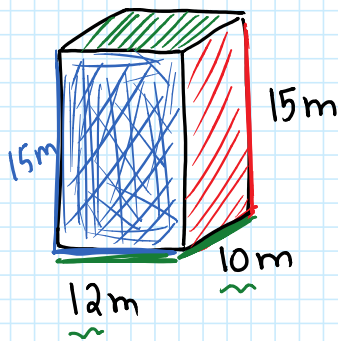
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SA = surface area

- * A rectangular prism has 3 pairs of identical faces
- Top / Bottom
 - Right / side
 - Front / Back

* surface area: The sum of the areas of all the faces

Ex. Find the surface area:



Front/Back:

$$A = L \times W$$

$$A = 15 \times 12$$

$$A = 180 \text{ m}^2$$

(x2)

$$360 \text{ m}^2$$

Top/Bottom:

$$A = L \times W$$

$$A = 12 \times 10$$

$$A = 120 \text{ m}^2$$

(x2)

$$240 \text{ m}^2$$

Left/Right:

$$A = L \times W$$

$$A = 15 \times 10$$

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

(x2)

$$300 \text{ m}^2$$

$$SA = 360 + 240 + 300 = 900 \text{ m}^2$$