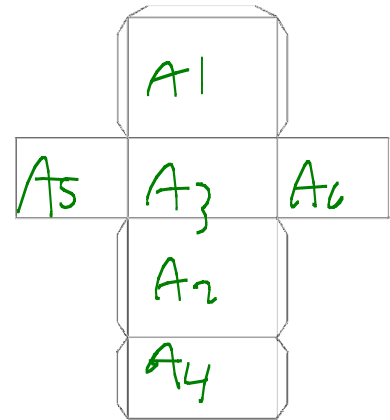
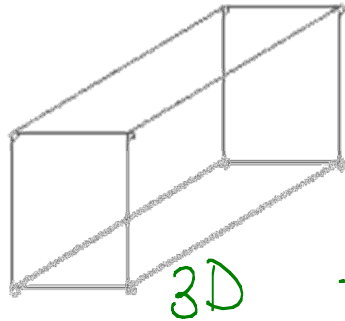


5 - Surface Area

5.3 Surface Area of a Prism

Surface Area is the sum of the areas of all the faces of a 3-D object.

Surface Area =
 $A_1 + A_2 + A_3 + A_4 + A_5 + A_6$



1D

Draw the net of the right rectangular prism

What is the surface area of the prism?

$$A_1 = l \times w$$

$$= 6 \times 5$$

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

$$A_1 = A_2 = 30 \text{ cm}^2$$

$$A_3 = 6 \times 4$$

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

$$A_4 = 24 \text{ cm}^2$$

$$A_5 = 5 \times 4$$

$$= 20 \text{ cm}^2$$

$$A_5 = A_6 = 20 \text{ cm}^2$$

$$30 + 30 + 24 + 24 + 20 + 20$$

$$= 108 \text{ cm}^2$$

