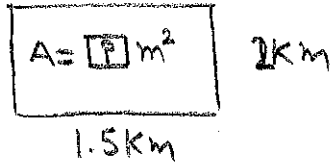


Learning Outcome - Conversion b/w units for Area

Ex. (1a/61)



Sol. We want to determine area of given rectangle in Square metres ( $m^2$ ).

Firstly, we will convert width and length of this rectangle into metres, and then multiply them to get area in square metres.

1.5 km  $\rightarrow$  m

Step.1.  $\frac{1.5 \text{ km}}{1} \times \frac{[ ] \text{ m}}{[ ] \text{ km}}$

Step.2. 1 km = 1000 m

Step.3.  $\frac{1.5 \text{ km}}{1} \times \frac{[1000] \text{ m}}{[1] \text{ km}}$

$= \frac{1.5 \cancel{\text{ km}}}{1} \times \frac{1000 \text{ m}}{1 \cancel{\text{ km}}}$

$= 1500 \text{ m}$

2 km  $\rightarrow$  m

Step.1.  $\frac{2 \text{ km}}{1} \times \frac{[ ] \text{ m}}{[ ] \text{ km}}$

Step.2. 1 km = 1000 m

Step.3.  $\frac{2 \text{ km}}{1} \times \frac{[1000] \text{ m}}{[1] \text{ km}}$

$= \frac{2 \cancel{\text{ km}}}{1} \times \frac{1000 \text{ m}}{1 \cancel{\text{ km}}}$

$= 2000 \text{ m}$

Now,  $\boxed{\text{Area (in metres)} = 1500 \text{ m} \times 2000 \text{ m} = 3000000 \text{ m}^2}$