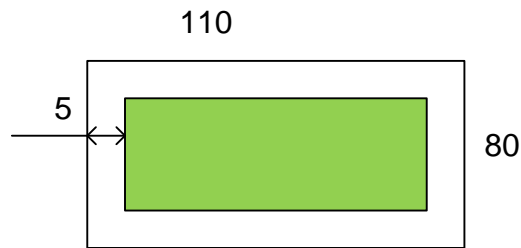


Answer on Question#43889 – Math – Algebra

A plot 110 meters long and 80 meters broad is to be covered with grass leaving 5 meters all around. Find the area to be laid with grass.

Solution:



The length of the area to be laid with grass is:

$$110 - 5 \times 2 = 100 \text{ meters}$$

The width of the area to be laid with grass is:

$$80 - 5 \times 2 = 70 \text{ meters}$$

Area of a rectangle with length l and width w is:

$$A = lw$$

So the area to be laid with grass is:

$$A = 100 \cdot 70 = \mathbf{7000 \text{ m}^2}$$