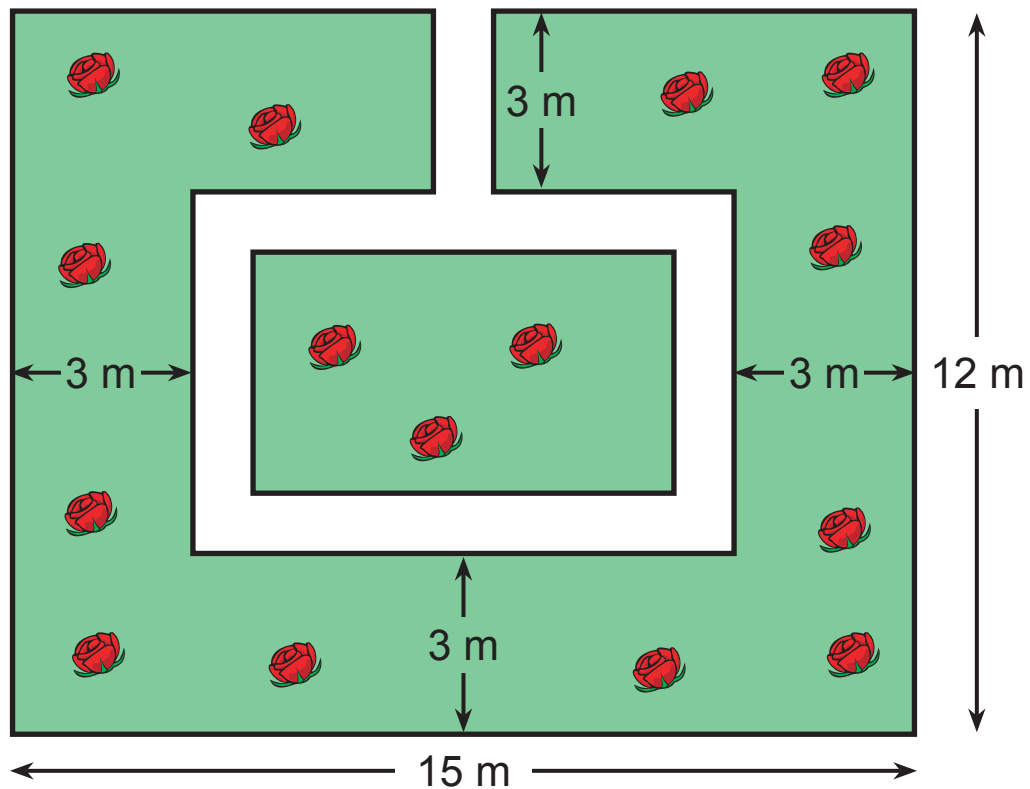


AREA AND PERIMETER

The figure below shows a rose garden.

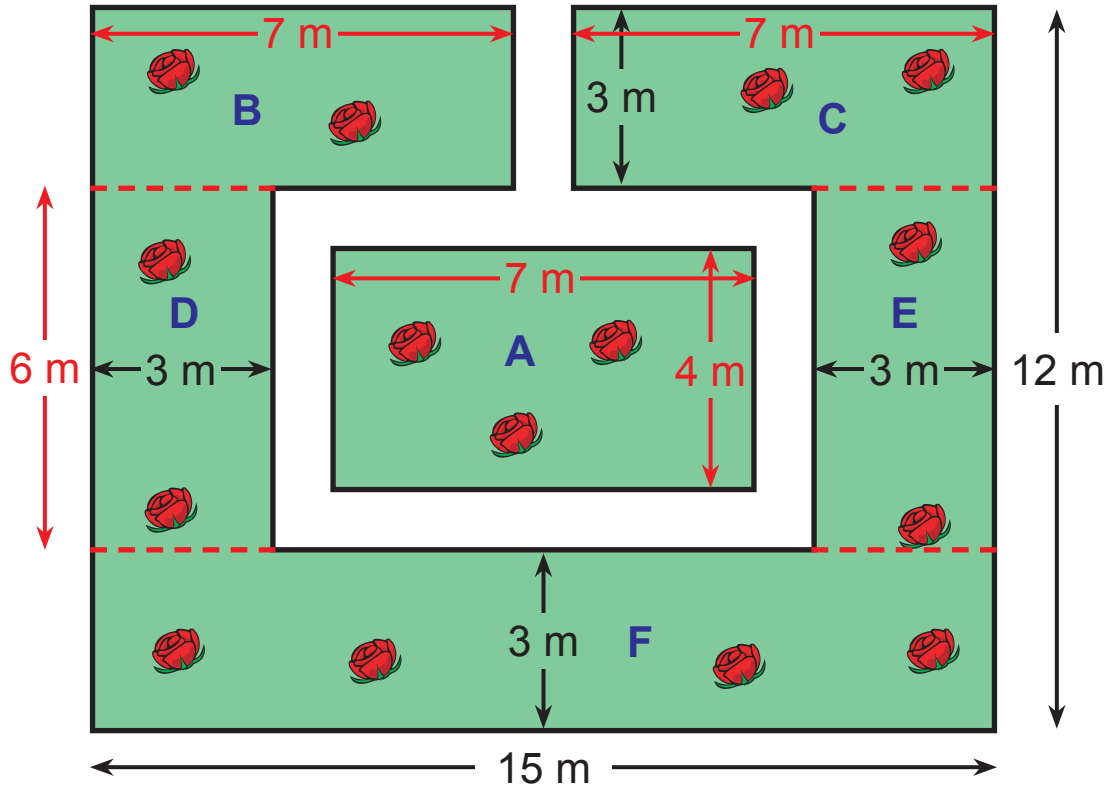
There is a 1-metre wide path that goes into it.



Find the total area of the inner and outer garden.

Find the total perimeter of the inner and outer garden.





Total area of the inner and outer garden

= Area of A + Area of B + Area of C + Area of D + Area of E + Area of F

$$= 7 \times 4 + 7 \times 3 + 7 \times 3 + 6 \times 3 + 6 \times 3 + 15 \times 3$$

$$= 151 \text{ m}^2$$

$$\begin{aligned} \text{Perimeter of inner garden} &= 7 + 4 + 7 + 4 \\ &= 22 \text{ cm} \end{aligned}$$

$$\begin{aligned} \text{Perimeter of outer garden} &= 15 + 12 + 7 + 3 + 4 + 6 + 9 + 6 + 4 + 3 \\ &\quad + 7 + 12 \\ &= 88 \text{ cm} \end{aligned}$$

$$\begin{aligned} \text{Total perimeter} &= 22 + 88 \\ &= 110 \text{ m} \end{aligned}$$

