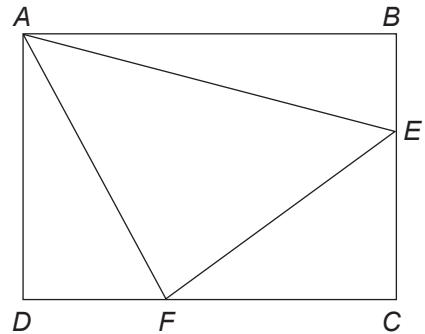


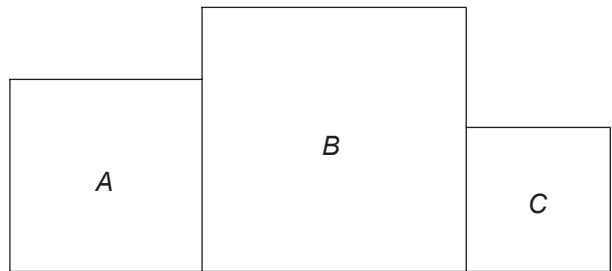
More on Area and Perimeter

- 1 The area of rectangle $ABCD$ is 36 cm^2 .
The areas of $\triangle ABE$ and $\triangle ADF$ are 9 cm^2 and 12 cm^2 respectively.
Find the area of $\triangle AEF$.
[The figure is not drawn to scale.]



Ans: _____ cm^2

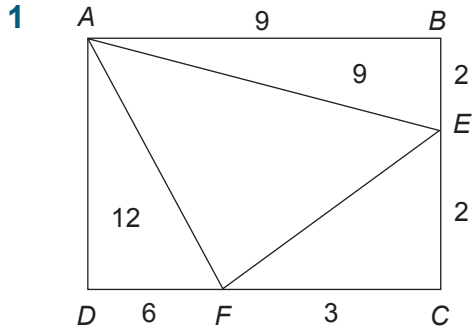
- 2 The total area of the three squares A , B and C add up to 221 cm^2 .
Find the perimeter of the figure.



Ans: _____ cm

Solution to

More on Area and Perimeter



Suppose the length \rightarrow 9 cm, the width \rightarrow 4 cm

$$\begin{aligned}\Delta CEF &\rightarrow \frac{1}{2} \times 2 \times 3 \\ &= 3 \text{ cm}^2\end{aligned}$$

Area of $\Delta AEF \rightarrow 36 - 9 - 12 - 3 = 12 \text{ cm}^2$

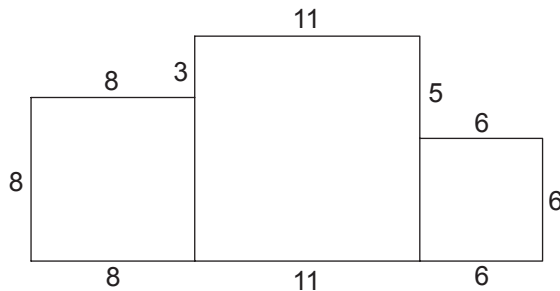
Ans: 12 cm²

2 Make a list of square numbers:

1, 4, 9, 16, 25, (36), 49, (36), 81, 100, (121), ...

$$36 + 64 + 121 = 221 \text{ cm}^2$$

Sides of 3 squares: 8 cm, 11 cm, 6 cm respectively.



$$8 \times 3 + 3 + 11 \times 2 + 6 \times 3 + 5 = 24 + 3 + 22 + 18 + 5 = 72 \text{ cm}$$

Ans: 72 cm