

MATC9 Ch01.1 Key Concepts 2 Perimeter of a Rectangle Worked Example

Example: Find the perimeter of a rectangle with a length of 12 cm and a width of 8 cm.

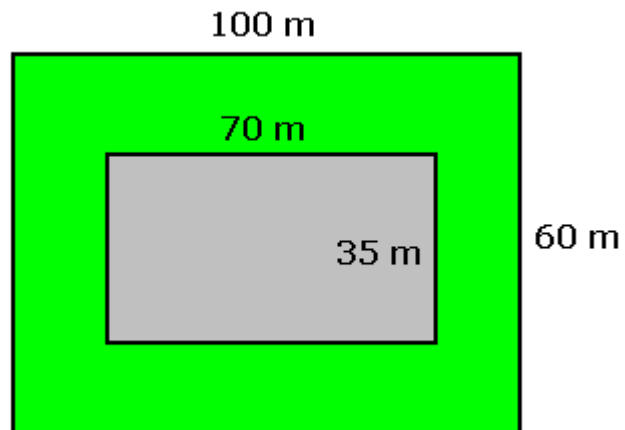
Solution: The perimeter is calculated using the formula $P = 2l + 2w$. In this example, $l = 12$ and $w = 8$.

$$\begin{aligned} P &= 2(12) + 2(8) \\ &= 24 + 16 \\ &= 40 \text{ cm} \end{aligned}$$

The perimeter is 40 cm.

Practice:

1. Find the perimeter of a rectangle with a length of 50 m and a width of 25 m.
2. A double fence is built around a lion paddock at a zoo. Find the total length of fencing required.



Answers: 1. 150 m 2. 530 m