PERIMETER

A DEFINITION

Definition **Perimeter**

The **perimeter** of a shape is the total length around its outside edge.

To find the perimeter, imagine walking around the shape like it's a park. Count the number of unit lengths along each side as you go.

Ex: Find the perimeter of the red shape:



Answer:



To find the perimeter, we add the length of all 4 sides : 2 + 2 + 2 + 2. The perimeter is 8 units.

B PERIMETER OF COMMON SHAPES

Method Finding a Polygon's Perimeter

To find the perimeter of any polygon (a shape with straight sides), add up the lengths of all its sides.

Proposition Perimeter Formulas			
Name	Shape	Perimeter	
Triangle		a+b+c	
Rectangl		$l+w+l+w = (2 \times l) + (2 \times w)$	
Square	S	$s + s + s + s = 4 \times s$	1

Ex: Find the perimeter of the rectangle:



Answer: This is a rectangle with length l = 14 m and width w = 7 m. Using the formula for the perimeter of a rectangle:

$$P = (2 \times l) + (2 \times w)$$

= (2 × 14) + (2 × 7)
= 28 + 14
= 42 m

So, the perimeter is 42 meters.