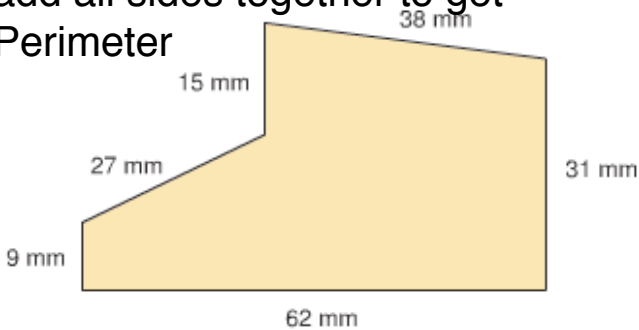


# Perimeter

- total distance around a polygon;
- add all sides together to get Perimeter



$$\begin{aligned} \text{Perimeter} &= 38 + 31 + 62 + 9 + 27 + 15 \\ &= 182 \end{aligned}$$

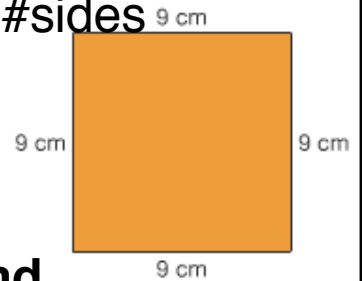
The perimeter of this hexagon is 182 mm.



## Perimeter of regular polygons

1. Square:  $P = L \times \text{\#sides}$

$$\begin{aligned} P &= L \times 4 \\ &= 9 \times 4 \end{aligned}$$



### Legend

L = length W = Width S = Sides

2. Parallelogram:  $P = 2 \times (L + w)$  or  
 $P = 2 \times L + 2 \times W$

$$\begin{aligned} P &= 2 \times (L+W) \\ &= 2 \times (11 + 6) \\ &= 2 \times 17 \\ &= 34 \text{ cm} \end{aligned}$$