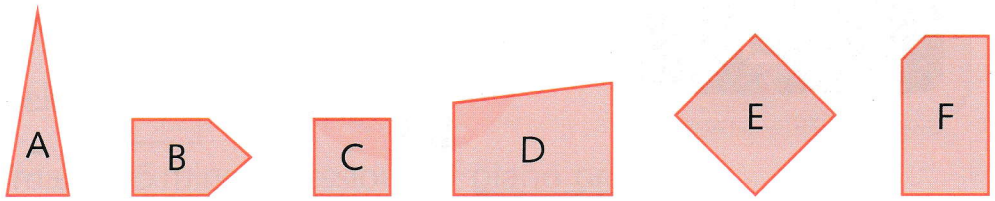
Regular and Irregular Polygons

Challenge 1

1 Draw a line from each shape to the correct word to show whether the polygon is regular or irregular.



Regular **Irregular**

6 marks

Marks..... /6

Challenge 2

1 Sketch an example of each polygon as it is in its regular and its irregular form. Angle sizes do not need to be exact.

Polygon	Regular	Irregular
Triangle		
Quadrilateral		
Pentagon		

Regular and Irregular Polygons

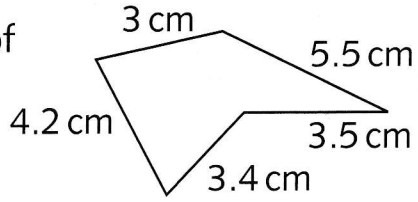
Hexagon		
Octagon		

10 marks

Marks..... /10

Challenge 3

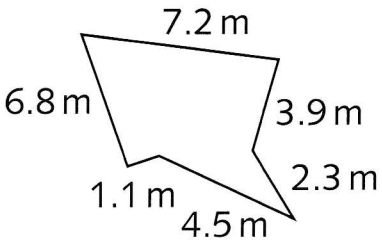
1 Calculate the perimeter of this irregular pentagon.



_____ cm

1 mark

2 Calculate the perimeter of this irregular hexagon.

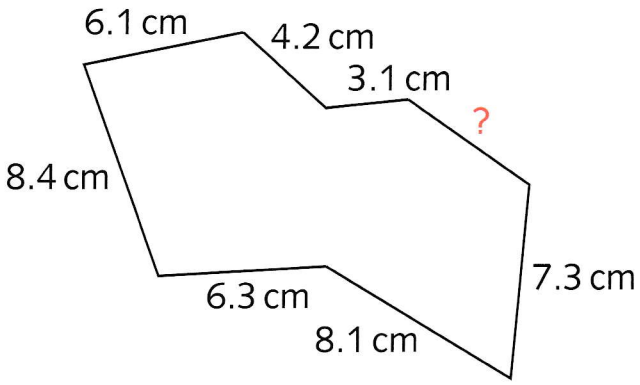


_____ m

1 mark

3 This irregular octagon has a perimeter of 49 cm. Calculate the length of the missing side.

_____ cm



1 mark

Marks..... /3

Total marks ..... /19 How am I doing?