PERIMETER CHALLENGES 1

• Work out the perimeter of the following shapes.

• Remember - the perimeter is the distance round the outside of the shape.

1) A rectangle measuring 7cm by 4cm. Perimeter = ______ cm
2) A square with side 8cm. Perimeter = ______ cm
3) A rectangle with sides 15mm and 8mm. Perimeter = ______ mm
4) A square with sides of 2 ½ cm Perimeter = ______ cm
5) A rectangle with sides 9cm and 7cm. Perimeter = ______ cm
6) A rectangle with sides 3½ cm and 1½ cm. Perimeter = ______ cm
7) A regular pentagon with sides 7cm Perimeter = ______ cm
8) A square with sides of 1.2m Perimeter = ______ m
9) An equilateral triangle with sides 21cm Perimeter = ______ cm
10) A regular hexagon with sides 11mm Perimeter = ______ mm
11) A regular pentagon with sides 40cm Perimeter = ______ cm
12) A regular octagon with sides 9mm Perimeter = ______ mm
13) A square with sides 0.8m Perimeter = ______ m
14) A regular decagon with sides 4.5cm Perimeter = ______ cm
15) A regular nonagon with sides 0.6m Perimeter = ______ m
PERIMETER CHALLENGES 1 ANSWERS

1) A rectangle measuring 7cm by 4cm.  
   Perimeter = 22 cm

2) A square with side 8cm.  
   Perimeter = 32 cm

3) A rectangle with sides 15mm and 8mm.  
   Perimeter = 46 mm

4) A square with sides of 2 ½ cm  
   Perimeter = 10 cm

5) A rectangle with sides 9cm and 7cm.  
   Perimeter = 32 cm

6) A rectangle with sides 3½ cm and 1½ cm.  
   Perimeter = 10 cm

7) A regular pentagon with sides 7cm  
   Perimeter = 35 cm

8) A square with sides of 1.2m  
   Perimeter = 4.8 m

9) An equilateral triangle with sides 21cm  
   Perimeter = 63 cm

10) A regular hexagon with sides 11mm  
    Perimeter = 66 mm

11) A regular pentagon with sides 40cm  
    Perimeter = 200 cm

12) A regular octagon with sides 9mm  
    Perimeter = 72 mm

13) A square with sides 0.8m  
    Perimeter = 3.2 m

14) A regular decagon with sides 4.5cm  
    Perimeter = 45 cm

15) A regular nonagon with sides 0.6m  
    Perimeter = 5.4 m