

**13/08/20**

# Extra maths practice

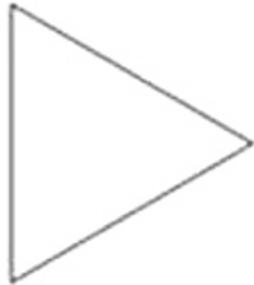
## Geometry

### Finding the perimeter of regular shapes

Below you will find a table of regular geometric shapes.  
This table will help you in answering the perimeter questions.

## GEOMETRIC SHAPES

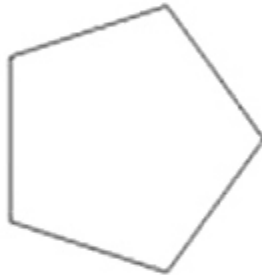
### POLYGONS



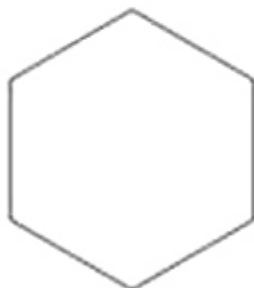
Triangle – 3 sides



Square – 4 sides



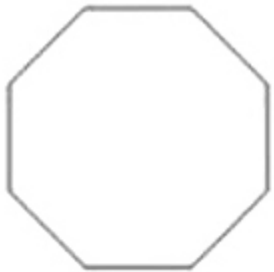
Pentagon – 5 sides



Hexagon – 6 sides



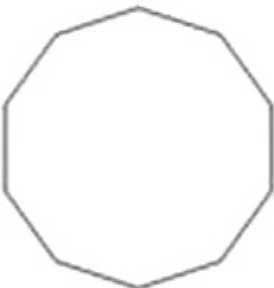
Heptagon – 7 sides



Octagon – 8 sides



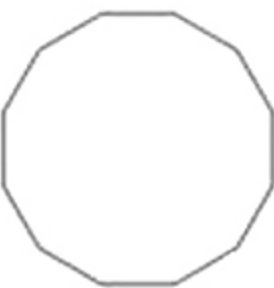
Nonagon – 9 sides



Decagon – 10 sides



Hendecagon – 11



Dodecagon – 12

Work out the perimeter of the following shapes. Remember - the perimeter is the distance all the way 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  $2\frac{1}{2}$  cm Perimeter = \_\_\_\_\_ cm
- 5) A rectangle with sides 9cm and 7cm. Perimeter = \_\_\_\_\_ cm
- 6) A rectangle with sides  $3\frac{1}{2}$  cm and  $1\frac{1}{2}$  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