



| ANGLES                        |       |
|-------------------------------|-------|
| full turn                     | 360°  |
| half turn                     | 180°  |
| right angle                   | 90°   |
| acute angle                   | < 90° |
| obtuse angle                  | > 90° |
| reflex angle                  | >180° |
| angles on a straight line     | 180°  |
| angles inside a triangle      | 180°  |
| angles inside a quadrilateral | 360°  |

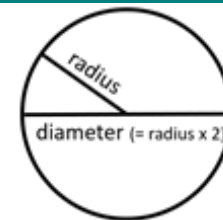
| PERIMETER & AREA        |  |
|-------------------------|--|
| Perimeter               | Distance around a shape = (2 x length) + (2 x width)                 |
| Area                    | Space inside a 2D shape ( _ <sup>2</sup> ) = length x width          |
| Area of a triangle      | = (base x height) ÷ 2  |
| Area of a parallelogram | = base x perpendicular height  |
| Volume                  | Space inside a 3D shape ( _ <sup>3</sup> ) = length x width x height |

| CALENDAR  |                                   |
|-----------|-----------------------------------|
| Month     | Days                              |
| January   | 31                                |
| February  | 28 (29)                           |
| March     | 31                                |
| April     | 30                                |
| May       | 31                                |
| June      | 30                                |
| July      | 31                                |
| August    | 31                                |
| September | 30                                |
| October   | 31                                |
| November  | 30                                |
| December  | 31                                |
| 1 year    | 365 days<br>52 weeks<br>12 months |
| 1 week    | 7 days                            |
| 1 day     | 24 hours                          |
| 1 hour    | 60 minutes                        |
| 1 minutes | 60 seconds                        |

| LINES             | ANGLES     |
|-------------------|------------|
| <br>PARALLEL      | <br>RIGHT  |
| <br>PERPENDICULAR | <br>OBTUSE |
| <br>INTERSECTING  | <br>ACUTE  |

| PROPERTIES OF 3D SHAPES |          |        |       |        |          |         |
|-------------------------|----------|--------|-------|--------|----------|---------|
| Name                    | Surfaces |        | Edges |        | Vertices | Picture |
|                         | Flat     | Curved | Flat  | Curved |          |         |
| sphere                  | 0        | 1      | 0     | 0      | 0        |         |
| cube                    | 6        | 0      | 12    | 0      | 8        |         |
| cuboid                  | 6        | 0      | 12    | 0      | 8        |         |
| cone                    | 1        | 1      | 0     | 1      | 0        |         |
| cylinder                | 2        | 1      | 0     | 2      | 0        |         |
| square-based pyramid    | 5        | 0      | 8     | 0      | 5        |         |
| tetrahedron             | 4        | 0      | 6     | 0      | 4        |         |
| triangular prism        | 5        | 0      | 9     | 0      | 6        |         |

| CIRCLES       |   |
|---------------|---|
| radius        | a straight line from the centre to the circumference    |
| chord         | a straight line joining two points on the circumference |
| diameter      | a chord which passes through the centre                 |
| circumference | the distance once around the circle                     |



| 2D SHAPES     |              |
|---------------|--------------|
| Name          | No. of sides |
| triangle      | 3            |
| quadrilateral | 4            |
| pentagon      | 5            |
| hexagon       | 6            |
| heptagon      | 7            |
| octagon       | 8            |
| nonagon       | 9            |
| decagon       | 10           |
| dodecagon     | 12           |

| TYPES OF QUADRILATERAL  |  |  |
|---|--|--|
| <br><b>Square</b><br>4 equal sides<br>4 right angles  | <br><b>Rectangle</b><br>opposite sides are equal<br>4 right angles | <br><b>Trapezium</b><br>1 pair of parallel sides       |
| <br><b>Rhombus</b><br>4 equal sides<br>opposite sides are parallel<br>opposite angles are equal | <br><b>Parallelogram</b><br>opposite sides are equal and parallel  | <br><b>Kite</b><br>2 pairs of adjacent sides are equal |

| TYPES OF TRIANGLE                           |  |
|---|--|
| <b>Based on Sides</b>                       | <b>Based on Angles</b>                         |
| <br>Scalene Triangle<br>No sides equal      | <br>Acute Triangle<br>All angles acute (<90°)  |
| <br>Isosceles Triangle<br>Two sides equal   | <br>Obtuse Triangle<br>One angle obtuse (>90°) |
| <br>Equilateral Triangle<br>All sides equal | <br>Right Triangle<br>One right angle (90°)    |

| MEASUREMENT CONVERSIONS |         |
|-------------------------|---------|
| 1 cm                    | 10 mm   |
| 100 cm                  | 1 m     |
| 1000 m                  | 1 km    |
| 1 cl                    | 10 ml   |
| 0.1 l                   | 100ml   |
| 1 l                     | 1000ml  |
| 1l                      | 100cl   |
| 1g                      | 1000 mg |
| 100g                    | 0.1 kg  |
| 1000 g                  | 1 kg    |
| 1000 kg                 | 1 tonne |