

Mathematics Knowledge Organiser Y5: Measure and geometry

Acute angle $< 90^{\circ}$

Obtuse angle > 90°

Reflex angle > 180°

Straight line = 180°

Angles in a rectangle total 360°

Angles in a triangle total 180°

Right angle = 90°

Full circle = 360°

Measure

I inch = 2.5cm

I ounce = 28g

I pound = 0.45kg **IMPERIAL**

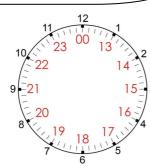


30 days have September, April, June and November. All the rest have 31, except February, which has 28 days clear, and 29 every leap year!

I minute = 60 seconds

I hour = 60 minutes

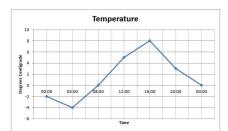
I day = 24 hours



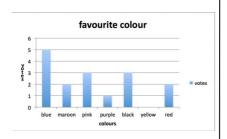
12 hour clock (pm) $\rightarrow >$ 24 hour clock

I year = 365 days = 52 weeks = 12 months

Statistics

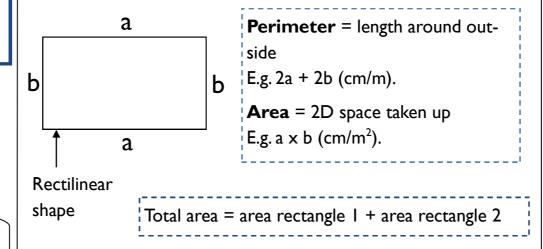


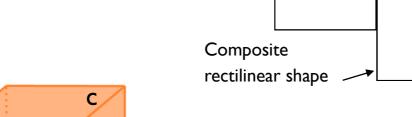
Line graph shows a trend. E.g. temperature over time.

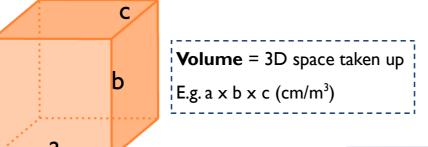


Bar graph shows categories of data. E.g. favourite colour

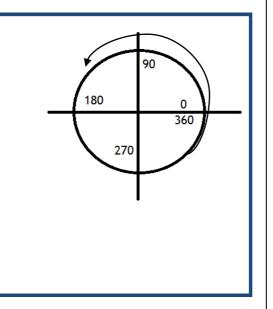
Perimeter/Area/Volume





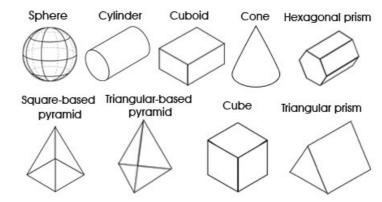


Angles

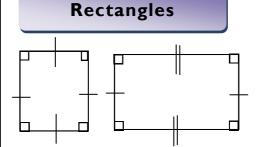


2D/3D shapes

3D— edges, faces, vertices. 2D— sides, angles.



Triangles



Four 90° angles

Opposite sides equal and parallel

Two lines of symmetry

Square = a regular rectangle

Regular = All sides/angles equal

Irregular = All sides/angles not equal

