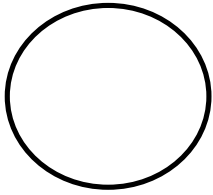


Week 6

Use your revision guide to fill in as many of the formulae as you can.

You need to know these for your exam.



Area of a Circle

$$A = \pi \times r^2$$

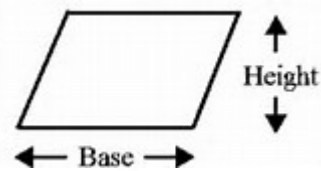
Circumference of a Circle

$$C = 2\pi r \text{ or } \pi \times d$$



Area of a Square

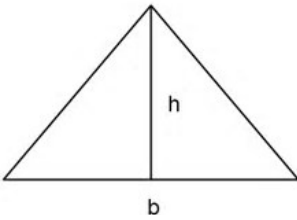
$$A = \text{length}^2$$



Area of a Rectangle

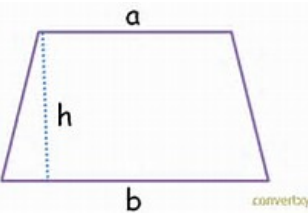
$$A = l \times w$$

Area of a Parallelogram $A = \text{base} \times \text{height}$



Area of a Triangle

$$A = \frac{b \times h}{2}$$

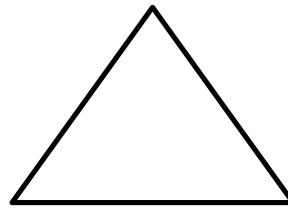
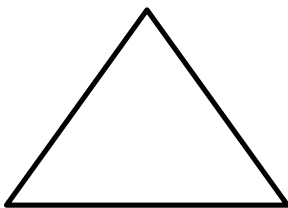


Area of a Trapezium

$$A = \left(\frac{a+b}{2}\right) \times h$$

$$\text{Speed} = \frac{\text{distance}}{\text{time}}$$

$$\text{Density} = \frac{\text{mass}}{\text{volume}}$$



Mean from a Table = **Frequency x value, then total of the (frequency x values) divided by total frequency**

Units

$$1\text{m} = 100\text{cm}$$

$$1\text{kg} = 1000\text{g}$$

$$1\text{ cm} = 10\text{mm}$$

$$1\text{ litre} = 1000\text{ml}$$

$$1\text{ km} = 1000\text{m}$$

$$1\text{cm}^3 = 1000\text{ml}$$

Use your revision guide to help you complete the following angle facts.

Basic Facts

Angles in a triangle add up to 180°

Angles in a quadrilateral add up to 360°

Angles on a straight line add up to 180°

Vertically opposite angles are **equal**

Base angles in an **isosceles** triangle are **equal**

Opposite angle in a parallelogram are **equal**

Parallel Lines (draw a picture)

Alternate angles are equal (Z)

Corresponding angles are equal (F)

Co-Interior angles add up to 180° (C)

Regular Polygons

Exterior angles add up to 360°

Each exterior angle = $360 / \text{number of sides}$

Exterior + Interior Angles = 180°