

Constructing Pie Charts The angle to draw for each sector is Angle = $\frac{\text{frequency}}{\text{total}} \times 360^{\circ}$

The amount after n years (or days, etc.) is:

 $_{\rm amount}^{\rm starting} \times \left(1 \pm \frac{r}{100}\right)^n$

where r is the rate of change. The \pm means + for growth and – for decay

Circles

Circumference = $\pi \times \text{diameter}, C = \pi d$

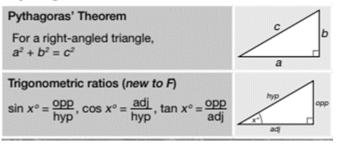
Circumference = $2 \times \pi \times \text{radius}, C = 2\pi r$

Area of a circle = πx radius squared, $A = \pi r^2$

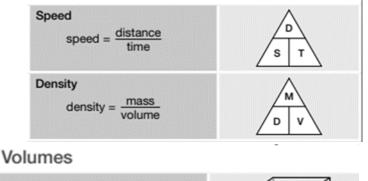
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Formula Sheet

Pythagoras



Compound measures



Cuboid = $l \times w \times h$ Image: Image

Angles in Polygons

Sum of Interior Angles = $(n - 2) \times 180^{\circ}$ Where *n* is the number of sides of the shape

Exterior Angles add up to 360°

One exterior angle in a REGULAR polygon $= \frac{360^{\circ}}{n}$

Pairs of Interior and Exterior Angles add up to 180°

