

## 2018 GCSE Numeracy Paper 2 Revision List

### Intermediate and Higher

Sig figs, rounding, d.p.s, standard form (Not higher tier)  
Rules of indices, LCM, HCF, prime factor form, types of no. eg reciprocal  
Forming and solving equations  
Expanding one bracket  
Changing subject of formula  
Using formulae and substitution  
Recognising, sketching, drawing simple graphs e.g.  $x=2$ ,  $y=-4$ ,  $y=2x+3$   
Gradient – draw a triangle and find  $\frac{y}{x}$ , gradient of parallel lines

Travel graphs

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$\text{Density} = \frac{\text{Mass}}{\text{Volume}}$$

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

Dimensions

Perimeter, area and volume including circles

Questionnaires and sampling

Mean, modal value and median from tabled data

Estimate of the mean, modal value and median from grouped data

Frequency polygons & grouped frequency diagrams

Pie charts

Venn diagrams

Pythagoras theorem

Trigonometry

Tax questions, exchange rate/currency conversions, electricity/gas bills etc.

Proportion of amounts

Percentage multipliers

Properties of 2D and 3D shapes, nets

All types of angles including those in parallel lines (incl. parallel lines)

Tessellations

Similar triangles

Loci and scale drawings

Angle and line bisector

### Higher Tier extra topics

Surds

AER

Trapezium rule – distance and gradient – acceleration

3D Pythagoras and Trigonometry

Surface area and volume of tricky 3D shapes

Area of non right angled triangle

Rest of sampling