**Year 8 Revision List – Enhanced Paper**

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| **Number** | Proportion problems include best buys |
| Share given a ratio |
| Exchange rates |
| Use calculator functions |
| Estimating, rounding d.p. and s.f. |
| Standard form |
| Order fractions decimals % |
| Express ratio as a fraction |
| Direct Proportion |
| Add Subtract Multiply Divide fractions |
| Fraction Decimal % real life problem |
| Upper and Lower Bounds |
| Laws of Indices |
| **Algebra** | Speed, distance and time |
| Change units of speed |
| Distance Time Graph |
| Factorise algebraic expressions |
| Change the subject of a formula |
| Find and use the nth term of a sequence |
| Simplify expressions |
| Expand single and double brackets |
| Mid-points of lines |
| Y = mx + c: Gradient and y-intercept |
| Plot a linear or quadratic graph |
| **Shape** | Find angles on parallel lines and triangles |
| Surface area of prisms including cylinder |
| Volume including cylinder |
| Plans and elevations |
| Area of triangle, trapezium, circle, sectors |
| Circumference and area of a circle |
| Capacity |
| Angles in polygons |
| Bearings |
| **Data** | Frequency tree |
| Averages: mean, median, mode including from tables |
| Scatter graphs |
| Probability |
| Understand bias |
| Median and IQR of a small data set |
| Venn diagrams |
| Interpret and compare box plots |