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| **Topic** |  | | | **Independent Learning and homework tasks** | |
| MyMaths | CorbettMaths.com |
| Finding a percentage of a quantity and one quantity as a percentage of another. |  |  |  | Number, Percentages | Video 235 |
| Increase a quantity by a given percentage with and without a calculator. |  |  |  | Number, Percentages | Video 234, 235 |
| Calculate percentage increase and decrease, profit & loss. |  |  |  | Number, Percentages | Percentage Change video 233 |
| Area and perimeter of 2D shapes and compound shapes |  |  |  | Shape, Area and Perimeter | Videos 42 – 49,  Videos 241 - 243 |
| Volume of a prism |  |  |  | Shape, Volume and Surface Area | Videos 355 – 7 |
| Surface Area of a prism |  |  |  | Shape, Volume and Surface Area | Videos 309 - 312 |
| Converting between different metric units of length, area and volume |  |  |  | Shape, Converting units | Videos 349d, e, f |
| Compound Measure – speed, density and pressure |  |  |  | Shape, Measures, Speed / Density | Speed Video 299  Density Video 384  Pressure Video 385 |
| Using BODMAS for order of operation |  |  |  | Algebra, Expressions and Formulae, Order of Operations | Video 211 |
| Using a calculator for complex calculations |  |  |  | Number, Calculators | Video 352 |
| Round to a given number of decimal places |  |  |  | Number, Estimating and Accuracy | Video 276 - 8 |
| Round to a given number of significant figures |  |  |  | Number, Estimating and Accuracy | Video 279a |
| Finding angles on parallel lines |  |  |  | Shape, Angles, Angles on Parallel lines | Video 25 |
| Interior and Exterior Angles of a polygon |  |  |  | Shape, Angles, Interior Exterior Angles / Sum of angles of a polygon | Video 32 |

**Lent Term 1 Knowledge**

**Order of operations (BIDMAS) Scan for full list of Maths Knowledge**

There is an order to operations:

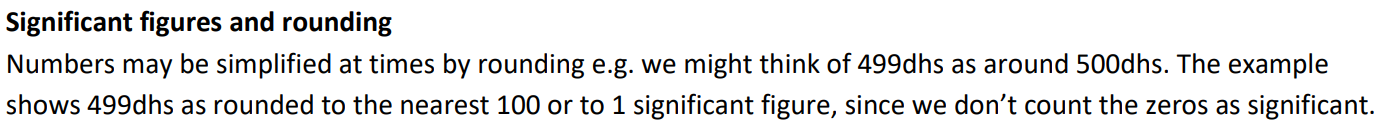
B (Brackets) - any calculation within a bracket is completed first

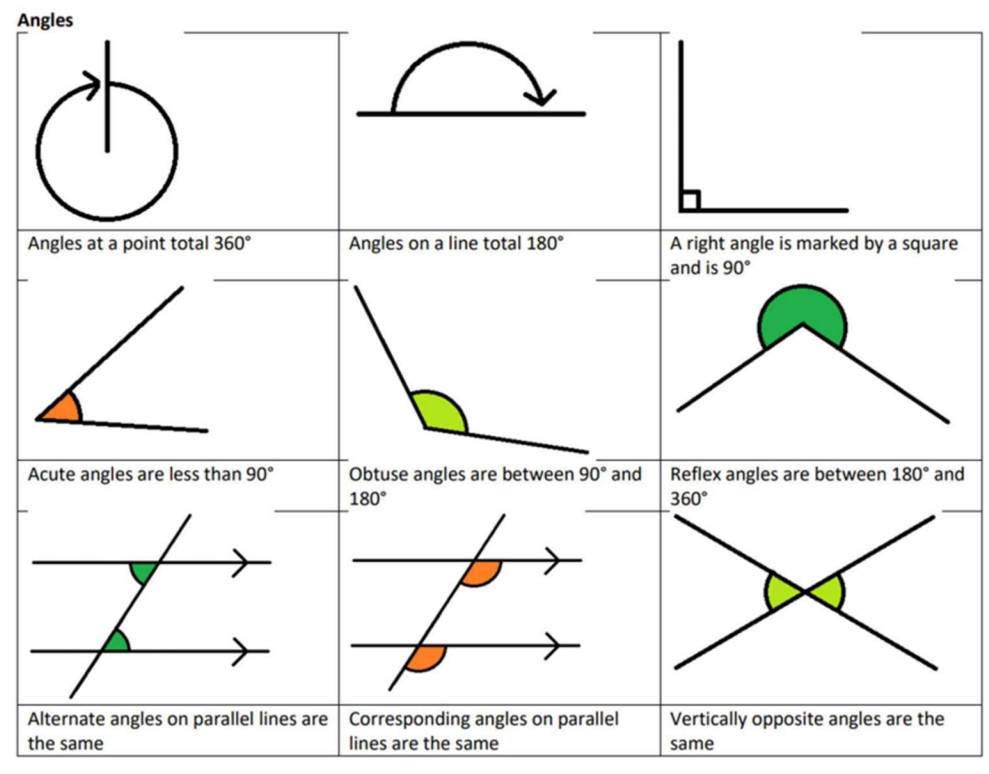
I (Indices) – any term with a power is completed second

D (Division) – any division is completed third

M (Multiplication) – any multiplication is completed next

A (Addition) – any addition is completed next in a left to right order

S (Subtraction) – any subtraction is completed last and in a left to right order



**Maths Support**

Attend KS3 Maths Clinic every Friday lunch time for extra help and support.

**Stretch and Challenge:**

1. Set up an account on parallel.org.uk website, using your school email address and use teacher code “**ha52kh**”
2. Attend Puzzle Club one lunch time each week