## Yr9 Maths revision

| Year 9: Set 1, 2 and 3 | Year 9: Set 4 and 5 |
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- Change the subject of a formula where the subject appears once only.
- Form algebraic expressions and equations from context.
- Find the volume of a prism.
- Determine angles in a right-angled triangle using trigonometry.
- Successive independent events (including tree diagrams).
- Understand, simplify and combine ratios, or work out quantities of items needed to obtain a given ratio.
- Find a quantity within a ratio where either the total amount, a particular amount or a difference in an amount is given.
- Change the subject of a formula where the subject appears multiple times.
- Collect like terms.
- Solve linear simultaneous equations.
- Use laws of indices for multiplying powers, dividing powers and raising a power to a power. Deal with a power of 0 .
- Convert a normal number to standard form.
- Find the nth term formula for a linear sequence.
- Solve 2D problems using Pythagoras' Theorem.
- Explicitly enumerate all combinations.
- Find the perimeter and area of rectilinear shapes, including rectangles.

