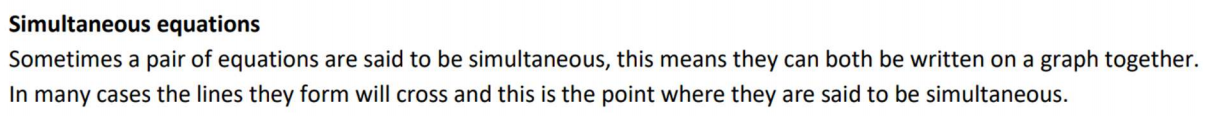
**Knowledge Organiser**

**Autumn Term 2 Set 3 Year 11**

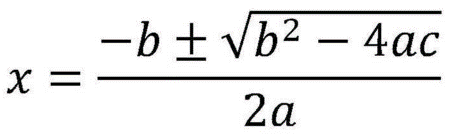
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| **Topic** | **Self-Assessment** | **Independent Learning and**  **Homework tasks** | |
| **MyMaths** | **CorbettMaths.com** |
| Factorising quadratic expressions, of the form ax2+bx+c, including the difference of two squares. |  | Algebra, Algebra Manipulation, Factorising Quadratics | Quadratics (factorising) video 266 |
| Solving quadratic equations by factorising. |  | Algebra, Equations – quadratics, Quadratic Equations 2 | Video 266 |
| Solving simultaneous equations by elimination and substitution |  | Algebra, Equations – Simultaneous | Videos 295 - 6 |
| Solving simultaneous equations graphically. |  | Algebra, Equations – Simultaneous, Solving Sim Eqs Graphically | Video 297 |
| Forming, then solving simultaneous equations. |  | Algebra, Equations – Simultaneous |  |
| Solving quadratic equations using the quadratic formula. |  | Algebra, Equations – quadratics, Completing the square / Quad Formula | Video 267, 267a |
| Solve problems by first forming quadratic equations. |  | Algebra, Equations – quadratics, Quadratic Equations 2 |  |
| Solve simultaneous equations consisting of one quadratic and one linear equation. |  | Algebra, Equations – Simultaneous, Quad Simultaneous Equs | Video 298 |
| Understanding the handling data cycle and carrying out effective data collection. |  | Data, Collecting Data | Video 89 |
| Identifying different types of data including qualitative, quantitative, discrete, continuous, primary and secondary data. |  | Data, Collecting Data, Types of Data |  |
| Understanding different sampling methods and identifying possible bias. |  | Data, Collecting Data, Sampling | Video 282 |
| Calculating stratified samples. |  | Data, Collecting Data, Sampling | Video 281 |
| Drawing and interpreting histograms.  Calculating frequency density. |  | Data, Presenting Data, Histograms | Video 157 - 8 |

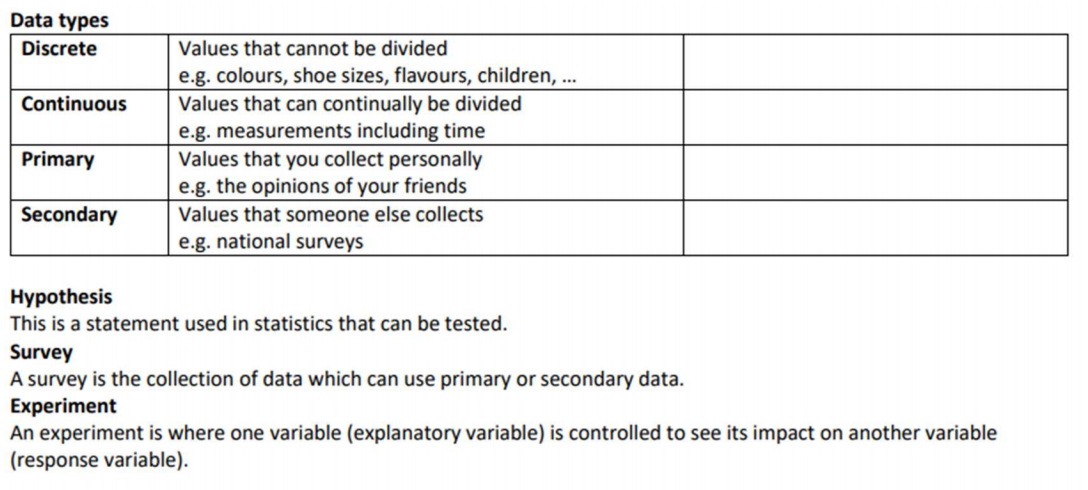


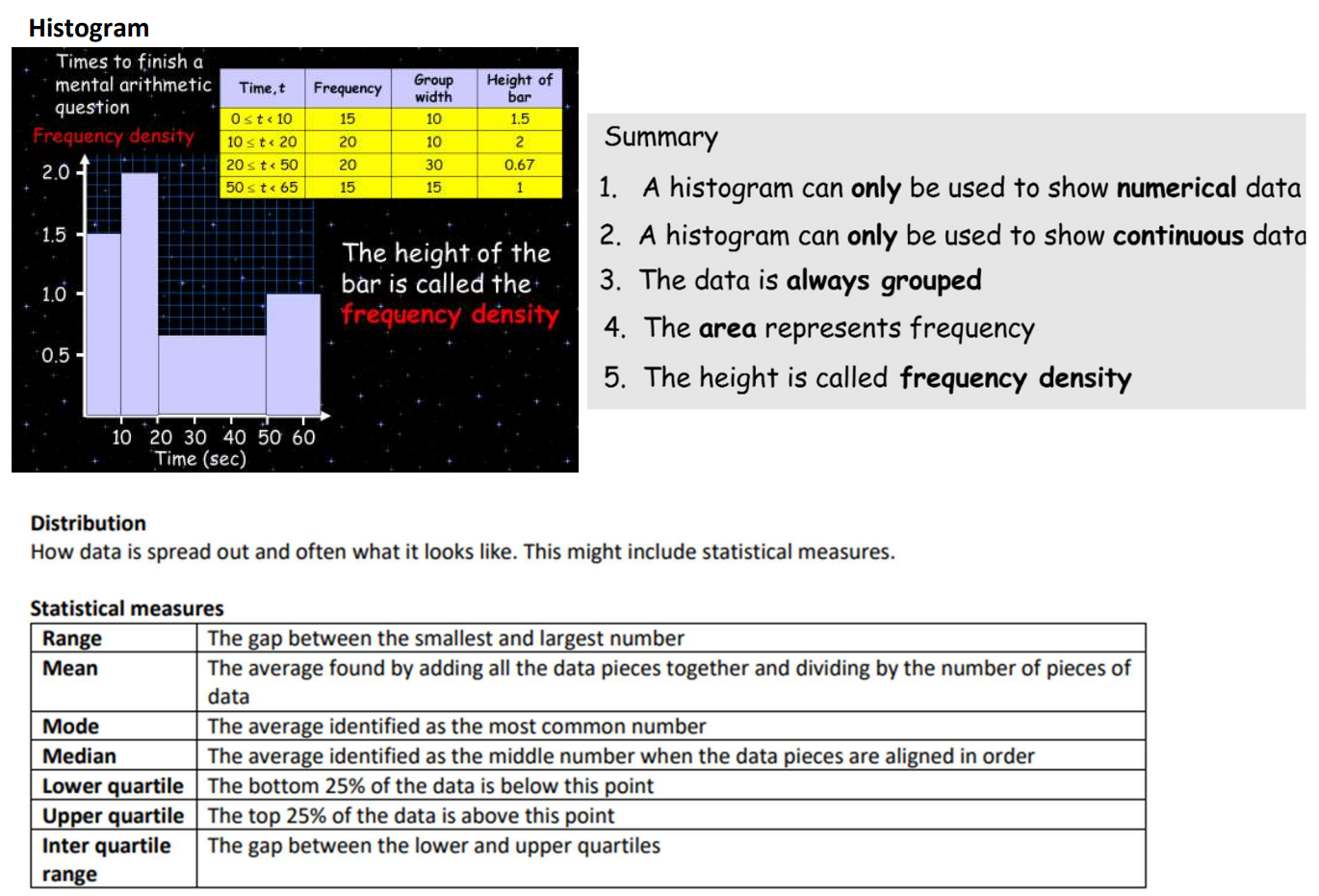
**Scan for full list of Maths facts**

**Autumn Term 2 Knowledge**

**Quadratic Formula**







**Extra practice:** Set up an account on parallel.org.uk website, using your school email address and use teacher code “ha52kh”

**Support:** Attend Maths Clinic one lunch time each week