

Year 10 AP1 Higher Learn Sheet

Paper 1 (Non-calculator)

| Strand | Topic | R | A | G | Sparx code |
|--|---|---|---|---|---------------------|
| Number | Powers and roots | | | | U851 |
| | Estimating | | | | U225 |
| | Adding/ subtracting fractions | | | | U736 |
| | Standard form | | | | U330, U534, U264 |
| Algebra | Expanding double brackets | | | | U768 |
| | Index laws | | | | U662 |
| | Plotting straight line graphs | | | | U741 |
| | Forming and solving equations | | | | U599 |
| | Inequality number lines | | | | U509 |
| | Simultaneous equations | | | | U760 |
| | Solving quadratic inequalities | | | | U133 |
| Ratio, proportion, and rates of change | Simplifying ratio | | | | U687 |
| | Sharing in a ratio | | | | U577 |
| Statistics | Range | | | | U526 |
| Geometry and measures | Translating a shape | | | | U196 |
| | Pythagoras | | | | U385 |
| | Enlarging a shape | | | | U134 |
| | Volume of similar shapes | | | | U110 |
| | Area of a triangle ($\frac{1}{2}ab \sin C$) | | | | U592 |

Paper 2 (Calculator)

| Strand | Topic | R | A | G | Sparx code |
|--|--|---|---|------------|------------|
| Number | Using a calculator | | | | U926 |
| | Percentages of amounts | | | | U349 |
| Algebra | Continuing sequences | | | | U213 |
| | Solving equations | | | | U325 |
| | Solving inequalities | | | | U145 |
| | Simultaneous equations graphically | | | | U836 |
| Ratio, proportion, and rates of change | Simultaneous equations (one quadratic) | | | | U547 |
| | Exchange rates | | | | U610 |
| Probability | Mutually exclusive events | | | | U683 |
| Geometry and measures | Area of similar shapes | | | | U630 |
| | Enlarging a shape | | | | U519 |
| | Similar triangles | | | | U578 |
| | Angles in parallel lines | | | | U826 |
| | Trigonometry (missing side) | | | | U283 |
| | Trigonometry (missing angle) | | | | U545 |
| | Congruent triangles | | | | U866 |
| | 3D Pythagoras | | | | U541 |
| Cosine rule/ trigonometry | | | | U591, U283 | |

Useful Revision websites

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|---|---|
| https://www.mathsgenie.co.uk/gcse.html | http://studymaths.co.uk/ |
| https://www.onmaths.com/ | http://hegartymaths.com/ |
| https://corbettmaths.com/ | m |