

Year 10 Maths- HT January PPE1 information

Tier	Topics	Revision Resources (including links)
Higher	<ul style="list-style-type: none"> - Sort data using venn diagrams - Enlarge shapes using a positive scale factor - Translations - Simplify simple algebraic fractions - Solve simple linear inequalities - Prime decomposition - Angles in parallel lines - Angles in triangles and quadrilaterals - Rotations using a centre of rotation - Linear Graphs - Ratio problems when given the difference between two quantities - Expanding one bracket - Factorise simple linear expressions - Bearings - Draw and interpret Distance Time Graphs - Draw and interpret conversion graphs - Draw and interpret speed-time graphs - Circumference of circles, semi and quarter circles and compound shapes - Area of circles, semi and quarter circles and compound shapes - Laws of Indices - Increase and decrease amounts by percentages - Using a multiplier for percentages - Substitutions - Change the subject of a formula - Nth term of a quadratic sequence - Surface area of prisms and cylinders - Four operations with standard form - Percentage increase and decrease using a multiplier - Compound units - Solve harder linear equations involving fractions - Solve harder quadratic equations by factorising ($a > 1$) - Solve quadratic inequalities and represent on a number line 	<p>www.sparxmaths.co.uk Sparx Clip Numbers:</p> <p>U476, U748, U699 U519 U196 U437 U759 U739 U826 U329, U628 U696 U741 M797, M932 U179 M237 U107 U914, U403, U462, U966 U652, U638 U562, U937, U611 U604 U950 U851, U235, U694 U773, U671 U671 U201, M327 U556 U206 U929, U259, U464 U264, U290 U671 U151, U256, U910 and U527</p>

	<ul style="list-style-type: none">- Sketching graphs- Arc lengths & area of sector- Fractional & negative indices- Ratio problems including related ratios- Factorise quadratic expressions- Solve harder linear equations involving fractions- Solve quadratic inequalities and represent on a number line	U505 U960 U133 U989, U769, U228, U960, U667 U221, U373 U772, U694 U176 U858 U505 U133
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