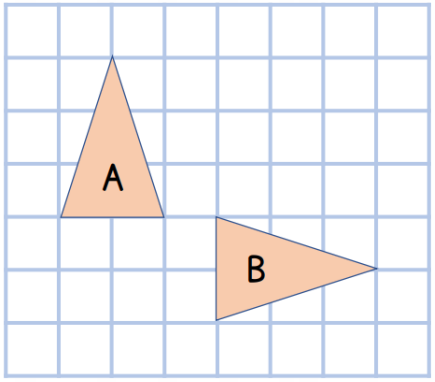
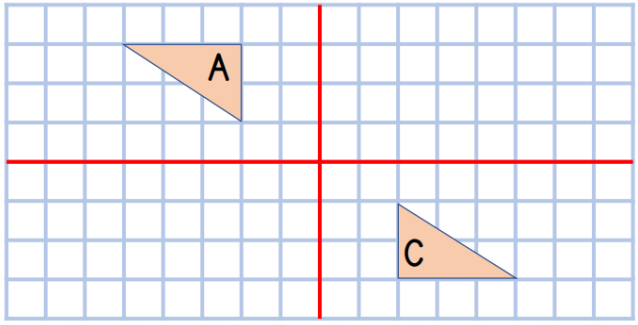
Weekly Maths Planning **Unit: Arithmetic & Geometry** **Y5/6** **w/b: 17.5.21**

	Learning objective	Main teaching	Activity	Resources	Vocabulary
Monday	LO to demonstrate my calculation skills	Arithmetic lesson Go through the following prior to starting work on the Arithmetic paper: 1. 4 operations 2. 4 operations with fractions 3. Decimal calculation 4. Percentage calculation	Y6: Complete the 2016 Arithmetic paper http://www.satspapers.org/SATs%20papers/2016%20onwards/2016%20Maths/2016_ks2_mathematics_paper1_arithmetic_PDFA.pdf Work through challenging questions as a class/group as they go.	Arithmetic papers Maths books Pencils Ruler	Calculate Arithmetic Multiplication Division Addition Subtraction Operators Fraction Decimal Percentage
Tuesday	LO to use co-ordinates in four quadrants	One quadrant https://vimeo.com/481214525 TRUE OR FALSE? Joining the coordinates (2, 2), (2, 6), (6, 6) and (6, 2) will make a square. Four Quadrants https://vimeo.com/481215270 TRUR OR FALSE? If a coordinate has two negative values, it will be in the lower left quadrant.	Y6: https://resources.whiterosemaths.com/wp-content/uploads/2019/10/Y6-Autumn-Block-4-WO1-The-first-quadrant-2019.pdf 1. Use the 'Four Quadrants' activity. 2. Try the 'Four Quadrants' challenge	Video link x 2 Worksheets Ruler Pencil Paper Four Quadrants Activity and challenge	Quadrant Co-ordinate Point Axes (X / Y) Negative Positive Quadrilateral Polygon

Wednesday	LO to translate shapes on a co-ordinate grid	https://vimeo.com/481216178 TRUE OR FALSE? The triangle in position A has been translated to position B  	Y6: https://resources.whiterosemaths.com/wp-content/uploads/2019/10/Y6-Autumn-Block-4-WO3-Translations-2019.pdf AND/OR: Abacus Evolve Textbook 3 (Y6) - pg56/57	Video link x 2 Worksheets Ruler Pencil Paper Abacus Evolve Textbook	Quadrant Co-ordinate Point Axes (X / Y) Negative Positive Translate Quadrilateral Polygon
Thursday	LO to reflect a shape through a mirror line	https://vimeo.com/481216178 Powerpoint saved in Google Drive to teach this topic TRUE OR FALSE? The shape in position A has been reflected in the x-axis and then the y-axis to result in position C.  	Y6: https://resources.whiterosemaths.com/wp-content/uploads/2019/10/Y6-Autumn-Block-4-WO4-Reflections-2019.pdf	Video link x 2 Worksheets Ruler Pencil Paper Mirrors	Quadrant Reflect Point Axes (X / Y) Negative Positive Mirror line Polygon

Friday	LO to solve geometry problems	Recap learning from this week. Look at a couple of SATs questions as a class which relate to translations, reflections and co-ordinates.	Y6: Geometry SATs Questions Then recap any learning from: Target Your Maths Textbook Y6 - 132-137	Target Your Maths books Geometry SATs Questions Maths books Pencils	Recap Geometry Translation Reflection Mirror line Coordinates X/Y axes Negative/ positive