

Year 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	Place value		Calculations			FDP	
Objectives	Read and write numbers to 10,000,000 and determine the value of each digit. Order numbers up to 10,000,000. Compare numbers up to 10,000,000 using < and > symbols. Using a place value grid to move digits <i>Cover value of numbers in decimals to 3dp as MOS</i>	Rounding any numbers accurately. Rounding any numbers accurately within a context. Problem solving involving negative numbers to understand their meaning. Calculating intervals involving negative numbers, including crossing zero	Column Addition – focus on numbers with differing numbers of digits and large numbers Column subtraction – focus on numbers with differing numbers of digits and large numbers Application of addition and subtraction to decimals <i>Cover estimating as MOS</i>	Long multiplication – working towards this ARE Applying of multiplication to decimals. Short multiplication– working towards this ARE. Short division Long division (chunking)	Assessment week	• <i>Must go back to pictorial and practical basics first and look at Y4 and Y5 objectives when planning this.</i> • Simplifying fractions to their simplest form and also converting fractions to common denominators • To compare fractions to a half and whole • Ordering fractions by converting to common denominators.	Comparing size of fractions by converting to common denominators. Converting between mixed and improper fractions and the inverse.

Year 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 2	Fractions, decimals and percentages.			Shape		Algebra	
Objectives	Adding/subtracting fractions by converting to common denominators – start with adding with the same denominator first to check understanding. To add and subtract mixed numbers	To multiply fractions by whole numbers To multiply fractions by fractions To divide fractions by whole numbers	Assessment week	Compare, classify and sort shapes. Recap shape vocabulary Angles in a triangle Angles in a quadrilateral Include more lessons on angles.	Using a protractor to measure and draw angles sizes within shapes Drawing shapes using a ruler and protractor.	Start with basics (e.g. $a + b = 10$, what can a be? What can b be?) Solving problem using missing numbers? (missing numbers and lengths) Solving problems using missing numbers? (coordinates and angles).	To be able to use a formulae. To be able to use a formulae to solve problems.

Year 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring term 1	Ratio and proportion		Position and direction.		Percentages	Fractions
Objectives	Increase and decrease the size of shapes by a scale factor (including working out scale factors from given images) Alter recipes by different proportions? (altering recipes for different amounts.	To solve problems involving ratios. (using images and bar modelling) To solve problems involving ratios. (Written methods).	Assessment week	Cover year 4 and 5 objectives as a collaboration gap. Plot points in all 4 quadrants including finding missing co-ordinates. Reflect shapes (single quadrant then all 4 quadrants). Translate shapes (single quadrant then all 4 quadrants). Rotate shapes	Percentages of amounts - finding and fluency based Percentages of amounts – worded problems	This recaps from Autumn Term Convert between mixed and improper fractions. Add fractions. Subtract fractions.

Year 6	Week 1	Week 2	Week 3	Week 4	Week 5
Spring term 2	Fractions		Shape and measure.		Ratio
Objectives	Multiply by a fraction. New learning – multiply fraction by fraction. Multiply a whole number by a fraction.	This has not been taught in Autumn Term so needs more time Converting fractions to decimals Recall simple/known fraction, decimal and percentage equivalents. FDP equivalents. To work out unknown fractions, decimals and percentage	Assessment week	Calculate the perimeter of a variety of shapes. Calculate the area of a variety of shapes Find the volume of a shape. Convert between metric and imperial units. Convert different measurements? (length) Convert different measurements? (weight and capacity) Calculate the mean.	Increase and decrease the size of shapes by a scale factor (including working out scale factors from given images) Alter recipes by different proportions? (altering recipes for different amounts) Solve problems involving ratio and proportion to solve problems? (bar modelling).

Year 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Summer term 1	Gaps to be covered in preparation for SATs.				SATs week	Project work (bakery)	
Objectives							

Year 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Summer term 2	White Rose Tours project			Transition week	Finance work linked to careers.		
Objectives							