

Year 6 Maths long term plan 2023-2024



	Aut	Autumn 2				
	Number: Place Value	Number: Addition and	Multiplica	tion and Division		Fractions
Autumn	read, write, order and compare numbers up to 10,000,000 and determine the value of each digit • round any whole number to a required degree of accuracy • use negative numbers in context, and calculate intervals across 0 • solve number and practical problems that involve all of the above • identify the value of each digit in numbers given to 3 decimal places	Subtraction • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate	a two-digit w written metho divide number whole number of long divise whole number rounding, as divide number number using short division remainders as perform mento mixed operatio identify comm and prime nu solve problem subtraction, n use estimation calculations a problem, an a decimal place Multiply and understand th	is involving addition, multiplication and division in to check answers to and determine, in the context appropriate degree of accurdivide decimals up to two is. divide numbers by 10 and its as equivalent to making 100 times the size, or 1 to 100 and 100 times the size, or 1 to 100 times the size times the size times the size times the size times times the size ti	o-digit co method ex to si by Ca t fra o-digit fra t of Aa reting with the ples xt of a xacy 100; g a	se common factors to mplify fractions; use unmon multiples to press fractions in the une denomination actions, including actions > I dd and subtract fraction ith different denominators of mixed numbers, using e concept of equivalent actions
	Spring	1		Sprin	g 2	
	Fractions	Fractions, Decimals,	Geometry	Geometry:	Measure	Measurement
Spring	multiply simple pairs of proper fractions, writing the answer in	Percentages Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375]	Draw 2-D shapes using given dimensions and angles	Position and Direction	Solve problems involving the calculation and conversion of	Recognise that shapes with the same areas can have different

	its simplest form [for 1 1/4 × 1/2 = 1/8] divide proper fractions numbers [for example, 1/6]	. by whole	3/8] Retrieval each dig three dec and divi and 1000 three dec	mple fraction [for example, : Identify the value of it in numbers given to imal places and multiply de numbers by 10, 100 0 giving answers up to imal places oblems involving the on of percentages (ratio	Recognise, describe and build simple 3-D shapes, including making nets Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles,	Describe positions on the full coordinate grid (all four quadrants) Draw and translate simple shapes on the coordinate plane and reflect them in the axes.	units of measure, using decimal notation up to three decimal places where appropriate Use, read, write and convert between standard units, converting measurements of length, mass,	perimeters and vice versa Recognise when it is possible to use farmulae for area and volume of shapes Calculate the area of parallelograms and triangles Calculate, estimate and compare volume of cubes and cuboids
			Use writ cases w two deci Recall ar between .	ten division methods in here the answer has up to mal places nd use equivalences simple fractions, decimals entages, including in contexts.	quadrilaterals, and regular polygons Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing		valume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places Convert between miles and kilametres	using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units [for example, mm³ and km³].
	S	iummer	1		angles.	Summ	er 2	1
Summer	Ratio and Proportion solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts solve problems involving the calculation of percentages [for example, of measures	a use simple formulae a generate describe lin number sea algebraical a find pair numbers the satisfy an equation munknowns	and near quences missing oblems lly rs of nat	Statistics interpret and construct pie charts and line graphs and use these to solve problems in calculate and interpret the mean as an average.		s of Number U NC objectives	Transition	units for KS3

and such as 15% of	¤ enumerate		
360] and the use of			
percentages for	combinations of		
comparison	two variables.		
solve problems	• use their		
involving similar	knowledge		
shapes where the	of the		
scale factor is	order of		
known ar can be	operations		
found	to carry		
solve problems	out		
involving unequal	calculation		
sharing and grouping	s.		
using knowledge of	involving		
fractions and	the 4		
multiples	operations		