

Year 6 Maths

Number and Operation		Statistics	
Key Learning	Key Vocabulary	Key Learning	Key Vocabulary
Use negative numbers to calculate Divide using long division Use order of operations to calculate Multiply decimal numbers by whole numbers Solve ratio problems using multiplication and division Solve proportion problems using fractions and multiples	ten thousand hundred thousand million ten million interval column addition column multiplication short division long division remainder factor common factor common multiple order of operations brackets squared cubed	Construct and interpret pie charts Calculate the mean as an average	mean average pie chart segment line graph bar chart percentage fraction data discrete continuous
Fractions, Decimals and Percentages			
Key Learning		Key Vocabulary	
Use common factors to simply fractions Compare and order fractions of any size Add and subtract fractions with different denominators and mixed numbers Multiply pairs of proper fractions Divide proper fractions by whole numbers Calculate decimal, fraction equivalents Recall and use equivalent between fractions, decimals and percentages Solve problems involving calculation of percentages		numerator/ denominator common denominator common factor equivalent simplify/ simplest form factor compare/ order ascending/ descending proper fraction/ improper fraction mixed number decimal/ decimal place recurring decimal placeholder tenths/ hundredths/ thousandths product per cent (%)/ percentages	
Geometry		Ratio and Proportion	
Key Learning	Key Vocabulary	Key Learning	Key Vocabulary
Illustrate and name parts of a circle Find missing angles Recognise opposite angles Describe position of the full coordinate grid Translate shapes on a coordinate grid and reflect in the axes Solve problems involving similar shapes where the scale factor is known	quadrant/ four quadrants translate/ translation x-axis/ y-axis/ axis/ axes horizontal/ vertical vertex reflect/ reflection isosceles/ scalene circumference net	Solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts	ratio proportion part whole scale scale factor similar notation
Algebra		Measure	
Key Learning	Key Vocabulary	Key Learning	Key Vocabulary
Use simple formulae Generate and describe linear number sequences Express missing number problems	sequence rule term algebra expression calculation formula substitute generalise operation equation	Convert units of measure between smaller and larger units Convert between miles and kilometres Calculate the area of parallelograms and triangles Calculate and compare volume of cubes and cuboids	metric/ imperial grams/ kilogram pounds/ ounces millilitres/ litres pints metres/ kilometres inches/ feet yards/ miles area/ perimeter enclosed square metres cubic centimetres cubic metres