



Autumn (14 weeks)	Spring (11 weeks)	Summer (13 weeks)
Number - 2 weeks	Number - 1 week	Number - 1 week
Read, write, order and compare numbers to ten million	Check my answers using number facts and rounding	Solve inverse number problems
Determine the value of each digit in numbers up to ten million	Solve missing number problems	Addition and Subtraction - 1 week
Round any number	Addition and Subtraction - 1 week	Solve multi step addition and subtraction problems in context
Addition and Subtraction - 2 weeks	Solve two- step addition and subtraction problems in context	Multiplication and Division - 1 week
Add and subtract mentally with integers, decimals and fractions	Multiplication and Division - 1 week	Solve multi-step problems involving combinations of all four operations
Use estimation to check answers	Multiply and divide whole numbers and decimals by 10 and 100 and 1000	Use my knowledge of the order of operations to carry out calculations using the four operations
Multiplication and Division - 3 weeks	Scale numbers up or down to solve a problem	Decimals, fractions and percentages - 2 weeks
Identify common factors, common multiples and prime numbers	Solve word problems involving combinations of all four operations	Solve problems which require answers to be rounded to specified degrees of accuracy
Multiply and divide mentally with integers and decimals	Decimals, fractions and percentages - 2 weeks	Ratio and proportion - 2 weeks
Multiply multi-digit numbers	Multiply simple pairs of proper fractions	Solve problems involving similar shapes where the scale factor is known or can be found
Divide numbers up to 4 digits by a two-digit number using an appropriate method	Calculate equivalent decimal fractions	Solve problems involving unequal sharing and grouping
Decimals, fractions and percentages - 3 weeks	Divide proper fractions by whole numbers	Algebra - 1 week
Use common factors to simplify fractions and use common multiples to express fractions in the same denomination	Use written division methods to divide whole numbers and decimals	Find pairs of numbers that satisfy an equation with two unknowns
Compare and order fractions, including fractions greater than 1	Recall and use equivalences between simple fractions and percentages	Enumerate possibilities of combinations of two variables
Add and subtract fractions with different denominators and mixed numbers	Ratio and proportion - 1 week	Measurement - 2 weeks
Find fractions of amounts	Solve problems involving the relative size of two quantities	Solve measuring problems
Add whole numbers and decimals	Solve problems involving the calculation of percentages	Calculate, estimate and compare volume
Subtract whole numbers and decimals	Algebra - 1 week	Recognise when it is possible to use the formulae for the volume of shapes
Identify the value of each digit to three decimal places, multiply and divide by 10,100, 1000	Use simple formulae	Solve problems involving the conversion between units of time (including reading time tables)
Multiply one-digit numbers with up to two decimal places by whole numbers	Generate and describe linear number sequences	Geometry - 2 weeks
Algebra - 1 week	Measurement - 2 weeks	Illustrate and name parts of circles
	Calculate the areas of parallelograms and triangles	Compare and classify geometric shapes

Express missing number problems algebraically		Recognise when it is possible to use the formulae for the area of shapes		Recognise angles and find missing angles	
Measurement - 2 weeks		Solve measuring problems		Draw and translate and reflect shapes that are not parallel or perpendicular to the mirror line	
Calculate the perimeter of rectilinear shapes		Read scales with un-numbered divisions accurately		Describe positions on the full coordinate grid	
Recognise that shapes with the same areas can have different perimeters and vice versa		Measure using negative numbers		Translate, reflect and rotate shapes in all four quadrants	
Use, read, write and convert between standard units		Solve money problems in pounds and pence		Statistics - 1 week	
Convert miles to km and vice versa		Solve problems involving the conversion between units of time (including reading time tables)		Think of questions and answer them by collecting data and analysing it	
Accurately tell the time to the nearest minute on analogue clocks and digital 12 hour and 24 hour clocks				Follow a statistical line of enquiry	
Geometry - 1 week		Geometry - 1 week			
		Draw 2D shapes using given dimensions and angles			
Recognise and build simple 3D shapes including making nets		Find unknown angles in 2D shapes			
Recognise and classify polygons		Statistics - 1 week			
Statistics – included above		Interpret and construct a pie chart			
Draw a line graph and use this to answer a question		Calculate and interpret the mean as an average			

AFL starters to include:

- Read, write, order and compare numbers to ten million - Determine the value of each digit in numbers up to ten million - Round any number - Identify common factors, common multiples and prime numbers - Use common factors to simplify fractions and use common multiples to express fractions in the same denomination - Compare and order fractions - Add and subtract fractions with different denominators and mixed numbers - Find fractions of amounts - Identify the value of each digit to three decimal places, multiply and divide by 10,100, 1000 - Express missing number problems algebraically - Calculate the perimeter of rectilinear shapes - Convert between standard units - Accurately tell the time to the nearest minute on analogue clocks and digital 12 hour and 24 hour clocks - Recognise simple 3D shapes - Classify polygons Arithmetic starters	- Check my answers using number facts and rounding - Multiply and divide whole numbers and decimals by 10 and 100 and 1000 - Multiply simple pairs of proper fractions - Calculate equivalent decimal fractions - Divide proper fractions by whole numbers - Recall equivalences between simple fractions and percentages - Use simple formulae - Generate and describe linear number sequences - Calculate the areas of parallelograms and triangles - Read scales with un-numbered divisions accurately - Solve problems involving the conversion between units of time (including reading time tables) - Interpret pie charts and line graphs - Convert between standard units Arithmetic starters	- Use my knowledge of the order of operations to carry out calculations using the four operations - Find pairs of numbers that satisfy an equation with two unknowns - Calculate volume - Solve problems involving the conversion between units of time (including reading time tables) - Convert between standard units - Name parts of circles - Compare and classify geometric shapes - Recognise angles and find missing angles - Describe positions on the full coordinate grid - Interpret pie charts and line graphs Arithmetic starters
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