

Year 4 Mathematics Yearly Overview

	05/09/23	12/09/23	19/09/23	26/09/23	03/10/23	10/10/23	17/10/23 (Mon - Thu only)		
Autumn 1	Place Value Baseline tests Represent numbers to 1,000; Partition numbers to 1,000; Number line to 1,000; Thousands	Place Value Represent numbers to 10,000; Partition numbers to 10,000; Flexible partitioning of numbers to 10,000; find 1, 10, 100, 1,000 times more or less	Place Value Number line to 10,000; Estimate on a number line to 10,000; Order numbers to 10,000; Compare numbers to 10,000	Place Value Roman numerals; Round numbers to the nearest 10, 100 or 1,000	Addition and Subtraction Add and subtract 1s, 10s, 100s and 1000s; Add up to two 4-digit numbers with no exchange, one exchange and more than one exchange	Addition and Subtraction Subtract up to 2 4-digit numbers with no exchange, one exchange and more than one exchange	Addition and Subtraction Efficient subtraction; Estimate answers; Checking strategies		
	Vocabulary: place value chart; place holder, compare, less than, greater than, equal, partition, ones, tens, hundreds, thousands	Vocabulary: Place value chart; place holder; compare; less than; greater than; equal to; partition; ones, tens, hundreds, thousands, tens of thousands	Vocabulary: Place value chart; number line; estimate; biggest; smallest; greater than; less than; equal to; represent; value	Vocabulary: Roman numerals; rounding; estimating; nearest; value; represent; place value chart	Vocabulary: Place value chart; addend, total, altogether, inverse, exchange, cross boundary, commutative law	Vocabulary: Place value chart; exchanging; columns; estimating; commutative law; total; sum; altogether; subtrahend, minuend	Vocabulary: Place value chart; exchanging; columns; estimating; commutative law; total; sum; altogether; subtrahend, minuend;		
	Mental: addition and subtraction, number bonds	Mental: addition and subtraction, number bonds	Mental: addition and subtraction, number bonds	Mental: addition and subtraction, number bonds	Mental: times tables – 2, 4, 8	Mental: times tables – 3, 6, 9	Mental: times tables – 5, 7, 11		
	31/10/23	07/11/23	14/11/23	21/11/23	27/11/23	5/12/23	12/12/23	19/12/23 (Mon - Wed only)	
Autumn 2	Area Find area by counting squares; make shapes; compare area	Multiplication and Division Doubling and halving; Multiples of 3; Multiply and	Multiplication and Division Multiply and divide by 7; Multiply and	Multiplication and Division Multiply by 1 and 0; Divide a number by 1 and	Multiplication and Division Written methods of multiplication; Multiply 2-digits	Multiplication and Division Divide by 10, 100 and 1000; Divide 2-digits by 1-digit	Multiplication and Division Division using bus stop method; Correspondence	Consolidation This week to act as a buffer for any units that over run or to revisit	

		divide by 6; 6 times table and division facts; Multiply and divide by 9; 9 times table and division facts;	divide by 11; Multiply and divide by 12;	itself; Multiply 3 numbers; Factor pairs; Efficient multiplication	by 1-digit; Multiply 3-digits by 1-digit	using partitioning; repeated subtraction; introducing bus stop method	problems; integer scaling problems; Word problems and reasoning	concepts children struggled with
	Vocabulary: Area; shape; length; width	Vocabulary: Place value chart; double; halve; multiply; divide; share equally; equal groups; lots of; linked facts; multiplier; multiplicand; factor; product; commutative law; distributive law	Vocabulary: Place value chart; double; halve; multiply; divide; share equally; equal groups; lots of; linked facts; multiplier; multiplicand; factor; product; commutative law; distributive law	Vocabulary: Place value chart; double; halve; multiply; divide; share equally; equal groups; lots of; linked facts; multiplier; multiplicand; factor; product; commutative law; distributive law	Vocabulary: Place value chart; double; halve; multiply; divide; share equally; equal groups; lots of; linked facts; multiplier; multiplicand; factor; product; commutative law; distributive law	Vocabulary: Place value chart; double; halve; multiply; divide; share equally; equal groups; lots of; linked facts; multiplier; multiplicand; factor; product; commutative law; distributive law	Vocabulary: Place value chart; double; halve; multiply; divide; share equally; equal groups; lots of; linked facts; multiplier; multiplicand; factor; product; commutative law; distributive law	Vocabulary:
	Mental: review of multiples of 10, 100 and 1000; review of number bonds	Mental: review of multiples of 10, 100 and 1000; review of number bonds	Mental: multiplying and dividing by 10, 100, 1000; pre-teach simplifying fractions; factors.	Mental: Number bonds	Mental: Number bonds	Mental: Review round to 10, 100 and 1000	Mental: Multiplying and dividing by 10, 100 and 1000	Mental:
	8/01/24	15/01/24	22/01/24	29/01/24	06/02/24			
Spring 1	Length and Perimeter Convert between mm/cm/m; Add and subtract units of measurement; Calculate perimeter using a grid	Length and Perimeter Find perimeter of squares and rectangles; Find perimeter of compound shapes; Find missing lengths and widths	Fractions Identify fractions; identify wholes (ones), tenths and hundredths; Find equivalent fractions; Fractions greater than 1	Fractions Count in fractions; add fractions with the same and different (linked) denominators; subtract fractions with the same and different (linked) denominators	Fractions Subtract fractions from whole amounts; Calculate fractions of a set of objects; Calculate fractions of a quantity;			

	Vocabulary: measure, length, perimeter, mm, cm, m, perimeter, side, add, compound, shape, square, rectangle	Vocabulary: measure, length, perimeter, mm, cm, m, perimeter, side, add, compound, shape, square, rectangle	Vocabulary: fraction, whole, denominator, numerator, vinculum, tenth, hundredth, equivalent	Vocabulary: Fraction, whole, denominator, numerator, vinculum, add, subtract, part, simplify	Vocabulary: Fraction, whole, denominator, numerator, vinculum, subtract, of (means x), quantity, simplify	
	Mental: Multiplying and dividing by 10, 100 and 1000	Mental: Use of commutative law, recall times tables facts up to 12	Mental: Use of commutative law, recall times tables facts up to 12	Mental: Recall division facts	Mental: Recall division facts	
	20/02/24	27/02/24	06/03/24	13/03/24	20/03/24	27/03/24
Spring 2	Fractions Consolidation of fractions skills; Apply fractions knowledge to reasoning and problem solving;	Decimals Recognise tenths and hundredths; tenths as decimals; tenths on a place value grid; tenths on a number line	Decimals Divide 1-digit numbers by 10; Divide 2-digit numbers by 10	Decimals Hundredths as decimals; Hundredths on a place value grid; Divide 1- or 2-digit numbers by 100	Decimals Make a whole; Write decimals; Compare decimals up to 2dp	Decimals Order decimals; Round decimals; Recognise halves and quarters as decimals
	Vocabulary: Fraction, whole, denominator, numerator, vinculum, equivalent, simplify, highest common factor, lowest common denominator	Vocabulary: Fraction, whole, place value grid, decimal place, decimal point, tenth, hundredth, number line	Vocabulary: Divide, place value chart, column, decimal point, decimal place, tenth, hundredth	Vocabulary: Decimal number, decimal place, decimal point, place value chart, column, tenths, hundredths	Vocabulary: Decimal number, whole, compare, decimal point, decimal place, compare, greater than, less than, equal to,	Vocabulary: Round, nearest whole, one decimal place, two decimal places, decimal point, equivalent, ascending, descending
	Mental: Roman numerals	Mental: Rounding 10, 100 and 1000	Mental: Multiply and divide by 10, 100 and 1000	Mental: Multiply and divide by 10, 100 and 1000	Mental: Multiply and divide by 10, 100 and 1000	Mental: Times tables up to 12
	17/04/24	24/04/24	01/05/24	08/05/24	15/05/24	22/05/24

Summer 1	Money Recognise and count pounds and pence; Order money; Estimate money; Convert pounds and pence	Money Add and subtract money; Find change; Apply the four operations to money	Time Tell the time to the nearest 5 minutes; Tell the time to the minute; Use am and pm; 24-hour clock	Time Convert between hours, minutes and seconds; Convert years, months, weeks and days; Convert analogue to digital (both 12h and 24h clocks)	Consolidation This week to act as a buffer for any units that over run or to revisit concepts children struggled with	Consolidation This week to act as a buffer for any units that over run or to revisit concepts children struggled with	
	Vocabulary: Pounds, pence, convert, pound sign, ascending, descending, coins, notes, value, decimal point, decimal place	Vocabulary: Pounds, pence, convert, pound sign, decimal point, decimal place, coins, notes, change, subtract, count on	Vocabulary: hour, minute, 12-hour clock, 24-hour clock, analogue, digital, clock, face, hands, am and pm, o'clock, half past, quarter past, quarter to, past/to	Vocabulary: Years, months, weeks, days, analogue, digital, hours, minutes, seconds, convert, 12-hour clock, 24-hour clock	Vocabulary:	Vocabulary:	
	Mental: Times tables up to 12	Mental: Fractions of amounts	Mental: Fractions of amounts	Mental: Fractions of amounts	Mental: Addition and Subtraction – Number bonds	Mental: Addition and Subtraction – Number bonds	
	05/06/24	12/06/24	19/06/24	26/06/24	03/07/24	10/07/24	17/7/24 (Mon – Thu only)
Summer 2	Shape Turns and angles; Right angles; Identify, compare and order angles;	Shape Recognise and describe 2D shapes; Triangles and quadrilaterals; Horizontal and vertical; Lines of symmetry	Statistics Interpret charts; Comparison, sum and difference; Line graphs	Position and Direction Describe position; Draw on a grid; Move on a grid; Describe movement on a grid	Position and Direction Use coordinates; translate points or shapes to another part of a grid	Consolidation This week to act as a buffer for any units that over run or to revisit concepts children struggled with	Consolidation This week to act as a buffer for any units that over run or to revisit concepts children struggled with

	Vocabulary: Angles, right angles, obtuse, acute, greater than, less than, equal to, degrees	Vocabulary: 2D, 3D, triangle, quadrilateral, polygon, horizontal, vertical, symmetry	Vocabulary: Data, survey, difference, sum, altogether, x-axis, y-axis, graph, chart, pictogram, read, interpret,	Vocabulary: position, grid, coordinates, NESW, translate, x-axis, y-axis	Vocabulary: position, grid, coordinates, NESW, translate, x-axis, y-axis	Vocabulary:	Vocabulary:	
	Mental: Addition and Subtraction – Number bonds	Mental: Multiplying and dividing by 10, 100, 1000	Mental: Recall division facts	Mental: Use of commutative law, recall times tables facts up to 12	Mental: Use of commutative law, recall times tables facts up to 12	Mental:	Mental:	