

Year 4	
Place Value	Represent numbers to 1000.
	Partition numbers to 1000.
	Complete, read and understand number lines to 1000.
	Represent thousands in a variety of ways.
	Represent numbers to 10,000.
	Partition numbers to 10,000.
	Partition numbers to 10,000 flexibly.
	Find 1, 10, 100, 1,000 more or less of any thousand number.
	Complete, read and understand number lines to 10,000.
	Estimate on a number line to 10,000.
	Compare numbers to 10,000.
	Order numbers to 10,000.
	Understand Roman numerals to 100.
	Round numbers to the nearest 10.
	Round numbers to the nearest 100.
	Round numbers to the nearest 1000.
	Round numbers to the nearest 10,100 or 1000.
Addition & Subtraction	Add and subtract 1s, 10s, 100s, 1000s.
	Add up to 4-digit numbers- no exchange.
	Add two 4-digit numbers – one exchange.
	Add two 4-digit numbers- more than one exchange.
	Subtract two 4-digit numbers- no exchange.
	Subtract two 4-digit numbers- one exchange.
	Subtract two 4-digit numbers- more than one exchange.
	Make choices about subtraction and use efficient strategies.
	Estimate answers to various addition and subtraction calculations.
	To check strategies using alternative strategies (e.g. Inverse).
Measurement & Area	Understand area and what it is.
	Count squares inside a shape.
	Make and draw a variety of shapes.
	Compare areas of different shapes.
Multiplication & Division (pt. 1)	Identify and understand multiples of 3.
	Multiply and divide by 6.
	6 times-table and division facts.
	Multiply and divide by 9.
	9 times-table and division facts.
	The 3,6 and 9 times-tables.
	Multiply and divide by 7.
	7 times-table and division facts.

Maths Skills & knowledge in Year 4

	11 times table and division facts.
	12 times table and division facts.
	Multiply by 1 and 0.
	Divide a number by 1 and itself.
	Multiply three numbers.
Multiplication & Division (Pt. 2)	Understand factor pairs.
	Use factor pairs to solve other calculations.
	Multiply by 10.
	Multiply by 100.
	Divide by 10.
	Divide by 100.
	Related facts- multiplication & division. e.g. $18 \div 6 = 3$ so 18 tens (180) $\div 6 = 3$ tens (30)
	Informal written methods for multiplication.
	Multiply a 2-digit number by a 1-digit number.
	Multiply a 3-digit number by a 1-digit number.
	Divide a 2-digit number by a 1-digit number.
	Divide a 3-digit number by a 1-digit number.
	Solving correspondence problems. (integer scaling problems- the start point to ratio).
	Carry out efficient multiplication.
Length & Perimeter	Measure in kilometres & metres.
	Understand equivalent lengths (kilometres & metres.)
	Understand perimeter on a grid.
	Find the perimeter of a rectangle (without a grid).
	Find the perimeter of a rectilinear shape.
	Find missing lengths in rectilinear shapes.
	Calculate the perimeter of rectilinear shapes.
	Calculate the perimeter of regular polygons.
	Calculate the perimeter of regular & irregular polygons.
Fractions	Understand the whole.
	Count beyond 1 - in various fraction steps.
	Partition a mixed number.
	Understand number lines with mixed numbers.
	Compare and order mixed numbers.
	Understand improper fractions.
	Convert mixed numbers to improper fractions.
	Convert improper fractions to mixed numbers.
	Identify equivalent numbers on a number line.
	Understand equivalent fraction families.

Maths Skills & knowledge in Year 4

	Add two or more fractions.
	Add fractions and mixed numbers.
	Subtract two fractions.
	Subtract from whole amounts.
	Subtract from mixed numbers.
Decimals (Pt. 1)	Understand tenths as fractions.
	Understand tenths as decimals.
	Understand tenths on a place value chart.
	Understand tenths on a number line.
	Divide a 1-digit number by 10.
	Divide a 2-digit number by 10.
	Understand hundredths as fractions.
	Understand hundredths as decimals.
	Identify hundredths on a place value chart.
	Divide a 1 or 2-digit number by 100.
Decimals (Pt 2)	Make a whole with tenths.
	Make a whole with hundredths.
	Partition decimals.
	Flexibly partition decimals.
	Compare decimals.
	Order decimals.
	Round to the nearest whole number.
	Halves and quarters as decimals.
Money	Write money using decimals.
	Convert between pounds and pence.
	Compare amounts of money.
	Estimate with money.
	Calculate with money.
	Solve problems with money.
Time	Years, months, weeks and days.
	Hours, minutes and seconds.
	Convert between analogue and digital time.
	Convert to the 24-hour clock.
	Convert from the 24-hour clock.
Shape	Understand angles as turns.
	Identify angles.
	Compare and order angles.
	Triangles.

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Maths Skills & knowledge in Year 4

	Quadrilaterals.
	Polygons.
	Lines of symmetry.
	Complete a symmetric figure.
Statistics	Interpret charts.
	Comparison, sum and difference.
	Interpret line graphs.
	Draw line graphs.
Position & Direction	Describe position using coordinates.
	Plot coordinates.
	Draw 2-D shapes on a grid.
	Translate on a grid.
	Describe translation on a grid.