PlanBee Maths Assessment : National Curriculum Objectives : Year 4

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National Curriculum Objectives

Maths

Group:

Year:

Number - number and place value	count in multiples of 6, 7, 9, 25 and 1000	Autumn											
		Spring											
		Summer											
	find 1000 more or less than a given number	Autumn											
		Spring											
		Summer											
	count backwards through zero to include negative numbers	Autumn											
		Spring											
		Summer											
	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	Autumn											
		Spring											
		Summer											
	order and compare numbers beyond 1000	Autumn											
		Spring											
		Summer											

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National Curriculum Objectives

Maths

Group:

Year:

Number - number and place value	identify, represent and estimate numbers using different representations	Autumn											
		Spring											
		Summer											
	round any number to the nearest 10, 100 or 1000	Autumn											
		Spring											
		Summer											
	solve number and practical problems that involve all of the above and with increasingly large positive numbers	Autumn											
		Spring											
		Summer											
	read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Number - addition and subtraction	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	Autumn											
		Spring											
		Summer											
	estimate and use inverse operations to check answers to a calculation	Autumn											
		Spring											
		Summer											
	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Number - multiplication and division	recall multiplication and division facts for multiplication tables up to 12 × 12	Autumn											
		Spring											
		Summer											
	use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	Autumn											
		Spring											
		Summer											
	recognise and use factor pairs and commutativity in mental calculations	Autumn											
		Spring											
		Summer											
	multiply two-digit and three-digit numbers by a one-digit number using formal written layout	Autumn											
		Spring											
		Summer											
	solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Fractions	recognise and show, using diagrams, families of common equivalent fractions	Autumn											
		Spring											
		Summer											
	count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	Autumn											
		Spring											
		Summer											
	solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	Autumn											
		Spring											
		Summer											
	add and subtract fractions with the same denominator	Autumn											
		Spring											
		Summer											
	recognise and write decimal equivalents of any number of tenths or hundredths	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Fractions	recognise and write decimal equivalents to 1/4, 1/2, 3/4	Autumn											
		Spring											
		Summer											
	find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	Autumn											
		Spring											
		Summer											
	round decimals with one decimal place to the nearest whole number	Autumn											
		Spring											
		Summer											
	compare numbers with the same number of decimal places up to two decimal places	Autumn											
		Spring											
		Summer											
	solve simple measure and money problems involving fractions and decimals to two decimal places	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Measurement	Convert between different units of measure [for example, kilometre to metre; hour to minute]	Autumn											
		Spring											
		Summer											
	measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Autumn											
		Spring											
		Summer											
	find the area of rectilinear shapes by counting squares	Autumn											
		Spring											
		Summer											
	estimate, compare and calculate different measures, including money in pounds and pence	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Geometry - properties of shapes	compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	Autumn											
		Spring											
		Summer											
	identify acute and obtuse angles and compare and order angles up to two right angles by size	Autumn											
		Spring											
		Summer											
	identify lines of symmetry in 2-D shapes presented in different orientations	Autumn											
		Spring											
		Summer											
	complete a simple symmetric figure with respect to a specific line of symmetry	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Geometry - position and direction	describe positions on a 2-D grid as coordinates in the first quadrant	Autumn											
		Spring											
		Summer											
	describe movements between positions as translations of a given unit to the left/right and up/down	Autumn											
		Spring											
		Summer											
	plot specified points and draw sides to complete a given polygon	Autumn											
		Spring											
		Summer											

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Maths

Group:

Year:

Statistics	interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	Autumn											
		Spring											
		Summer											
	solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	Autumn											
		Spring											
		Summer											

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