Poulton Lancelyn

Maths

Long Term Plan

Y4

2022/23

	W1 - Number	W2 - Number	W3 - Number	W4 - Number	W5 - Operation	W6 – Operation	Week 7 - Operation
A1	Find 1000 more or less than a given number Identify, represent and estimate numbers using different representations Order and compare numbers beyond 1000 Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	Find 1000 more or less than a given number Identify, represent and estimate numbers using different representations Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	Count backwards through zero to include negative numbers Round any number to the nearest 10, 100 or 1000	Round any number to the nearest 10, 100 or 1000 Count on and back in 25's Estimate and use inverse operations to check answers to a calculation	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate Estimate and use inverse operations to check answers to a calculation	Estimate and use inverse operations to check answers to a calculation Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
	W1 - Operation	W2 - Measure	W3 - Operation	W4 – Factors and Multiples	W5 - Multiples	W6 – Multiples	
A2	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Find the effect of dividing and multiplying a one- or two-digit number by 10 and 100, Convert between different units of measure [for example, kilometre to metre; hour to minute]	Multiples of 6 and 9. 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.	Recall multiplication and division facts for multiplication tables up to 12 × 12. Multiples of 7	Recall multiplication and division facts for multiplication tables up to 12 × 12. Multiples of 11 and 12 Factors of numbers.	
	W1 – Operations	W2 - Operation	W3 - Operations	W4 - Operations	W5 - Operations	W6 - Measures	W7 - Fractions
Sp1	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	Multiply two-digit and three-digit numbers by a one-digit number using formal written	Multiply and divide two-digit and three-digit numbers by a one-digit number using formal written layout	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	Divide two-digit and three-digit numbers by a one-digit number using formal written Convert between different units of measure [for example, kilometre to metre; hour to minute]	Find the area of rectilinear shapes by counting squares	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Solve simple measure and money problems involving fractions and decimals to two decimal places.
	W1 – Fractions	W2 - Fractions	W3 - Fractions	W4 - Fractions	W5 - Fractions		
Sp2	Recognise and show, using diagrams, families of common equivalent fractions Solve simple measure and money problems involving fractions and decimals to two decimal places.	Add and subtract fractions with the same denominator 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	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	Recognise and write decimal equivalents of any number of tenths or hundredths	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Solve simple measure and money problems involving fractions and		

					decimals to two decimal places.		
	W1 - Decimals	W2 - Decimals	W3 - Measure	W4 – Measures	W5 - Measures	W6 - Statistics	
Su1	Recognise and write decimal equivalents of any number of tenths or hundredths Compare numbers with the same number of decimal places up to two decimal places Solve simple measure and money problems involving fractions and decimals to two decimal places.	Round decimals with one decimal place to the nearest whole number Recognise and write decimal equivalents to ¼, 2/4, ¾ Solve simple measure and money problems involving fractions and decimals to two decimal places.	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Solve simple measure and money problems involving fractions and decimals to two decimal places.	Read, write and convert time between analogue and digital 12- and 24-hour clocks	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	
	W1 - Geometry	W2 - Geometry	W3 - Statistics	W4 - Geometry	W5 - Operations	W6 – number	W7 - Operations
Su 2	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify acute and obtuse angles and compare and order angles up to two right angles by size	Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry.	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	Describe movements between positions as translations of a given unit to the left/right and up/down Plot specified points and draw sides to complete a given polygon.	Multiply and divide two-digit and three-digit numbers by a one-digit number using formal written layout	Solve number and practical problems that involve all of the above and with increasingly large positive numbers	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.