Poulton Lancelyn

Maths

Long Term Plan

Y4

2022/23

	W1 - Number	W2 - Number	W3 - Number	W4 - Operation	W5 - Operation	W6 – Operation	Week 7 - Factors and Multiples
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 Order and compare numbers beyond 1000 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	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	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	Multiply two-digit and three-digit numbers by a one-digit number using formal written	Multiples of 7 and 9. 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
	W1 - Measure	W2 - Operation	W3 - Operation	W4 - Fraction	W5 - Fraction	W6 – Fraction	W7 - Geometry
A2	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Find the area of rectilinear shapes by counting squares	Multiply two-digit and three-digit numbers by a one-digit number using formal written Multiples of 7 and 9. 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]	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.	Recognise and show, using diagrams, families of common equivalent fractions 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	Describe positions on a 2-D grid as coordinates in the first quadrant Plot specified points and draw sides to complete a given polygon.
	W1 – Fraction/Decimal	W2 - Measure	W3 - Measure	W4 - Operations	W5 - Geometry	W6 - Geometry	
Sp1	Round decimals with one decimal place to the nearest whole number Compare numbers with the same number of decimal places up 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.	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.	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	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.	
	W1 - Number	W2 - Statistics	W3 - Number	W4 - Fractions	W5 - Geometry		
Sp2	Solve number and practical problems that involve all of the above and with increasingly large positive numbers	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using	Round decimals with one decimal place to the nearest whole number Compare numbers with the same number of decimal	Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to ¼, 2/4, ¾	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.		

			places up to two decimal places Solve simple measure and money problems involving fractions and decimals to two decimal places.			
	W1 - Measure	**W2 - Measure**	**W3 - Measure**	**W4 - Number**	**W5 - Geometry**	**W6 - Fractions**	
Su1	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	Convert between different units of measure [for example, kilometre to metre; hour to minute]	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.	Count backwards through zero to include negative numbers Round any number to the nearest 10, 100 or 1000	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.	Round decimals with one decimal place to the nearest whole number 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.	
	W1 - Geometry	**W2 - Measures**	**W3 - Fractions**	**W4 - Operations**	**W5 - statistics**	**W6 – Measure**	**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	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Find the area of rectilinear shapes by counting squares	Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to ¼, 2/4, ¾ 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	Multiply and divide two-digit and three-digit numbers by a one-digit number using formal written layout	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.	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.	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.