Poulton Lancelyn

Maths

Long Term Plan

Y2

2022/23

	W1- Number	W2 - Number	W3 - Number	W4 – Number	W5 – Operation Addition and Subtraction (4 days)	W6 – Operation Addition and Subtraction	W7 – Operation Addition and Subtraction	
A1	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count, read and write numbers to 100 in numerals Identify and represent numbers using objects and pictorial representations including the number line Read and write numbers from 1 to 20 in numerals and words	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count, read and write numbers to 100 in numerals Identify and represent numbers using objects and pictorial representations including the number line Read and write numbers from 1 to 20 in numerals and words	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count, read and write numbers to 100 in numerals Identify and represent numbers using objects and pictorial representations including the number line Read and write numbers from 1 to 20 in numerals and words Recognise the place value of each digit in a two-digit number (tens, ones)	Compare and order numbers from 0 up to 100; use <, > and = signs Read and write numbers to at least 100 in numerals and in words Recognise the place value of each digit in a two-digit number (tens, ones) Count in steps of 2, 5 and 10 from 0 Count in tens from any number, forward and backward	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	
	W1 – Operation Addition and Subtraction	W2 - Operation Addition and Subtraction	W3 – Operation Addition and Subtraction	W4 – Operation Addition and Subtraction	W5 - Operation Addition and Subtraction	W6 – Operation Addition and Subtraction	W7 - Operation Addition and Subtraction	Week 8 (2 days) Operation Addition and Subtraction
A2	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones a two-digit number and tens Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract numbers using concrete objects, pictorial	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers adding three one-digit numbers Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers adding three one-digit numbers Show that addition of two numbers can be done in any order	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers adding three one-digit numbers Show that addition of two

			representations, and mentally, including: two two-digit numbers adding three one-digit numbers Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.		a two-digit number and tens Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	a two-digit number and tens Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	(commutative) and subtraction of one number from another cannot.	numbers can be done in any order (commutative) and subtraction of one number from another cannot.
	W1 – Operation Addition and Subtraction (3 days)	W2 - Operation Addition and Subtraction	W3 – Measurement Money	W4 - Operations Multiplication and Division	W5 - Operations Multiplication and Division	W6 - Operations Multiplication and Division	W7 – Operations Multiplication and Division (4 days)	
Sp1	Consolidation of addition and subtraction methods	Consolidation of addition and subtraction methods	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	Recall and use multiplication facts for the 2, 5 and 10 tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×) and equals (=) signs.	Recall and use division facts for the 2, 5 and 10 tables, including recognising odd and even numbers. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Solve problems involving multiplication using materials, arrays, repeated addition, mental methods, and multiplication facts, including problems in contexts.	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Solve problems involving division, using materials, arrays, mental methods, and division facts, including problems in contexts.	Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. Solve problems involving division, using materials, arrays, mental methods, and division facts, including problems in contexts.	
	W1 - Fractions	W2 - Fractions	W3 - Fractions	W4 – Fractions/ Time	W5 – Measure Time			
Sp2	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.	Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½.	Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½. Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a	Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.			

				clock face to show these times. Know the number of minutes in an hour and the number of hours in a day.	Know the number of minutes in an hour and the number of hours in a day.		
	W1 – Measure Time / Position	W2 – Statistics/ Position	W3 - Shape	W4 - Measure Weight, volume and temperature	W5 – Measure Length **SATS**	W6- Shape	
Su1	Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day.	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data. Order and arrange combinations of mathematical objects in patterns and sequences Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] Compare and sort common 2-D and 3-D shapes and everyday objects.	Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and =	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers.	Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] Compare and sort common 2-D and 3-D shapes and everyday objects.	
	W1 – Statistics	W2 – Shape/ Position	W3 – Position/ Measure (4 days)	W4 - Measure	W5 – Problem Solving	W6 – Problem Solving	W7 – Problem Solving (4 days)
Su 2	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.	Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] Compare and sort common 2-D and 3-D	Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers.	Exploring efficient methods Using number facts Using number facts and equivalence Consolidation of number and place value	Consolidation of 4 operations Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: ⮚ two two-digit numbers ⮚ adding three one-digit numbers	Solving for missing numbers Mental addition and subtraction Efficient subtraction Consolidation of addition and subtraction

	Ask and answer questions about totalling and comparing categorical data.	shapes and everyday objects. Order and arrange combinations of mathematical objects in patterns and sequences Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line Order and arrange combinations of mathematical objects in patterns and sequences Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line	(litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels. Compare and order lengths, mass, volume/capacity and record the results using >, < and =			Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	