Poulton Lancelyn

Maths

Long Term Plan

Y2

2022/23

	W1- Number	W2 - Number	W3 - Number	W4 – Operations Addition and Subtraction	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 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	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 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.	
	W1 – Measurement Money	W2 - Measurement Money	W3 – Operations Multiplication and Division	W4 – Operations Multiplication and Division	W5 - Fractions	W6 – Operations	W7 - Measure	Week 8 (2 days)
A2	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.	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.	Recognise, find, name and write fractions ¼ of a length, shape, set of objects or quantity. Write simple fractions for example, ½ of 6 = 3	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers Solve problems involving division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	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
	W1 – Operations Multiplication and Division (3 days)	W2 - Operations Multiplication and Division	W3 - Fractions	W4 - Statistics	W5 - Statistics	W6 - Fractions	W7 – Measurement Length and Height (4 days)	
Sp1	Recall and use division facts for the 2, 5 and	Show that multiplication of two numbers can be done	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of	Interpret and construct simple pictograms, tally	Interpret and construct simple pictograms,	Recognise, find, name and write fractions 1/3,	Choose and use appropriate standard	

10 tables, including recognising odd and even numbers. Calculate mathematical statements for division within the multiplication tables and write them using division (÷) and equals (=) signs.	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.	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.	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.	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.	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.	units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers.	

	W1 - Geometry	W2 - Geometry	W3 - Fractions	W4 - Operations	W5 – Operations			
Sp2	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.	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.	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.	Consolidation of addition and subtraction	Consolidation of multiplication and division			

	W1 – Geometry Position and Direction	W2 – Operations Problem Solving	W3 - Operations Problem Solving	W4 - Operations Problem Solving	W5 – Measure Time	W6- Measure Time		
Su1	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 anticlockwise).	Exploring efficient methods Using number facts Using number facts and equivalence Consolidation of number and place value	Solving for missing numbers Mental addition and subtraction Efficient subtraction Consolidation of addition and subtraction	Solving multiplication and division problems Solving problems using the 4 operations Consolidation of multiplication and division	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.	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.		

	W1 – Measure Weight, volume and temperature	W2 - Measure Weight, volume and temperature	W3 – Geometry (4 days)	W4 - Geometry	W5 – Measurement Time	W6 – Operations	W7 – Statistics (4 days)	
Su 2	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 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 = | 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). | Consolidation of shape.

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. | Consolidation 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. | 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

Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts | Consolidation of data handling

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. | |