Whiteshill Primary School
Fluency Plan
Year 4

Fluency must include variation (see ready to progress tests and retrieve it quizzes for ideas)

KPI number	Objectives Year 3 Year 4	Teaching Notes
	Read and write 3-digit numbers	
	Find 1, 10 or 100 more or less than a 2-digit number;	
	Compare and order numbers up to 1000	
	Know and use multiplication and division facts for 2, 5, 10, 3, 4 and 8 multiplication tables	
	Recall factor-factor-product relationships for 2, 5, 10, 3, 4 and 8 multiplication tables	e.g. What is the product of these two factors: 3 and 4 What is the factor pair for 12 – need to use the language of factor and product
	Add and subtract numbers with up to 3-digits mentally	
	Add and subtract numbers with up to 3-digits using a formal written method	
	Choose efficient methods to add and subtract numbers up to 3-digits	
	Multiply and divide 2-digit by 1-digit numbers mentally	
	Multiply 2-digit by 1-digit numbers using a formal written method	
	Read scales in divisions of 1, 2, 5 and 10	
	Calculate fractions of amounts	
	Recognise and count in tenths	

	Compare and order fractions with same numerator or same denominator	
	Add and subtract fractions with the same denominator	
	Identify and describe the properties of 2-D and 3-D shapes, including the number of sides, edges, vertices and faces	
	Recognise horizontal, vertical, perpendicular and parallel lines	Use a ruler!
	Use standard units to measure perimeter of shapes (length and height) and mass	This may have to be a worksheet but make sure there is variation!
	Identify angles in shapes, including right angles	All they know at this point is right angles, greater than or less than a right angle – this is all they can identify. Do not draw your own shapes – they will not be accurate freehand.
	Calculate durations of events	Keep it to quarter past, half past and o'clock e.g. Jimmy starts swimming at 10 o'clock and finishes at quarter past 11 – how long was he swimming? Variation – digital, analogue, 12 and 24hr
	Tell the time to the hour, half past quarter to/past, 5 minute and 1 minute intervals	Read from an analogue clock - do not use am or pm – the children just answer with three twenty-seven or quarter past three etc. write in words in their books (they can have word cards for spelling if they need it – it is not a spelling lesson).
	Calculate change and combine coins to make amounts	
	Interpret bar charts	Worksheet – don't forget variation! One bar chart and lots of variety of questions.
	Read and write 4-digit numbers	
	Compare and order numbers up to 10,000	
	Round any number up to 4-digits to the nearest 10, 100 or 1000	
	Add and subtract numbers with up to 3-digits mentally	
	Add and subtract numbers with up to 3-digits using a formal written method	

	Choose efficient methods to add and subtract numbers up to 3-digits	
	Multiply and divide 2-digit by 1-digit numbers mentally	
	Multiply 2-digit by 1-digit numbers using a formal written method	
	Read scales in divisions of 1, 2, 5 and 10	
	Calculate fractions of amounts	
	Recognise and count in tenths	
	Compare and order fractions with same numerator or same denominator	
	Add and subtract fractions with the same denominator	
	Identify and describe the properties of 2-D and 3-D shapes, including the number of sides, edges, vertices and faces	
	Know and use multiplication and division facts for 2, 5, 10, 3, 4 and 8 multiplication tables	
	Know and use multiplication and division facts for 6, 7, 9, 11 and 12 multiplication tables	
	Recall factor-factor-product relationships for 6,7,9,11 and 12 multiplication tables	
	Recognise horizontal, vertical, perpendicular and parallel lines	
	Use standard units to measure perimeter of shapes (length and height) and mass	
	Identify angles in shapes, including right angles	
	Calculate durations of events	
	Tell the time to the hour, half past quarter to/past, 5 minute and 1 minute intervals	
	Calculate change and combine coins to make amounts	

Interpret bar charts		
Read and write 4-digit numbers		
Compare and order numbers up to 10,000		
Round any number up to 4-digits to the nearest 10, 100 or 1000		
Know and use multiplication and division facts for 2, 5, 10, 3, 4 and 8 multiplication tables		
Know and use multiplication and division facts for 6, 7, 9, 11 and 12 multiplication tables		
Recall factor-factor-product relationships for 6,7,9,11 and 12 multiplication tables		
Add and subtract numbers with up to 3-digits mentally		
Add and subtract numbers with up to 3-digits using a formal written method		
Choose efficient methods to add and subtract numbers up to 3-digits		
Multiply and divide 2-digit by 1-digit numbers mentally		
Multiply 2-digit by 1-digit numbers using a formal written method		
Read scales in divisions of 1, 2, 5 and 10		
Calculate fractions of amounts		
Recognise and count in tenths		
Compare and order fractions with same numerator or same denominator		
Add and subtract fractions with the same denominator		
Identify and describe the properties of 2-D and 3-D shapes, including the number of sides, edges, vertices and faces		
Recognise horizontal, vertical, perpendicular and parallel lines		

	Use standard units to measure perimeter of shapes (length and height) and mass	
	Identify angles in shapes, including right angles	
	Calculate durations of events	
	Tell the time to the hour, half past quarter to/past, 5 minute and 1 minute intervals	
	Calculate change and combine coins to make amounts	
	Interpret bar charts	
	Read and write 4-digit numbers	
	Compare and order numbers up to 10,000	
	Round any number up to 4-digits to the nearest 10, 100 or 1000	
	Know and use multiplication and division facts for 2, 5, 10, 3, 4 and 8 multiplication tables	
	Know and use multiplication and division facts for 6, 7, 9, 11 and 12 multiplication tables	
	Recall factor-factor-product relationships for 6,7,9,11 and 12 multiplication tables	
	Add and subtract numbers with up to 4-digits mentally	
	Add and subtract numbers with up to 4-digits using a formal written method	
	Choose efficient methods to add and subtract numbers up to 4-digits	
	Multiply and divide 2-digit by 1-digit numbers mentally	
	Multiply 2-digit by 1-digit numbers using a formal written method	
	Read scales in divisions of 1, 2, 5 and 10	

	Calculate fractions of amounts	
	Recognise and count in tenths	
	Compare and order fractions with same numerator or same denominator	
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	Identify and describe the properties of 2-D and 3-D shapes, including the number of sides, edges, vertices and faces	
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	Identify angles in shapes, including right angles	
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	Interpret bar charts	
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	Know and use multiplication and division facts for 2, 5, 10, 3, 4 and 8 multiplication tables	
	Know and use multiplication and division facts for 6, 7, 9, 11 and 12 multiplication tables	
	Recall factor-factor-product relationships for 6,7,9,11 and 12 multiplication tables	

	Add and subtract numbers with up to 4-digits mentally	
	Add and subtract numbers with up to 4-digits using a formal written method	
	Choose efficient methods to add and subtract numbers up to 4-digits	
	Multiply 2-digit by a 1-digit using the distributive law	
	Multiply 3-digit by a 1-digit using a formal written method	
	Divide a 3-digit by a 1-digit number	
	Use place value, known and derived facts to multiply and divide mentally	
	Divide 1 and 2-digit numbers by 10 and 100	
	Read scales in divisions of 1, 2, 5 and 10	
	Calculate fractions of amounts	
	Recognise and count in tenths	
	Compare and order fractions with same numerator or same denominator	
	Add and subtract fractions with the same denominator	
	Identify and describe the properties of 2-D and 3-D shapes, including the number of sides, edges, vertices and faces	
	Recognise horizontal, vertical, perpendicular and parallel lines	
	Use standard units to measure perimeter of shapes (length and height) and mass	
	Identify angles in shapes, including right angles	
	Calculate durations of events	
	Tell the time to the hour, half past quarter to/past, 5 minute and 1 minute intervals	

	Add and subtract decimal numbers (up to 2 decimal places) including measures and money	
	Interpret bar charts	
	Read and write 4-digit numbers	
	Compare and order numbers up to 10,000	
	Round any number up to 4-digits to the nearest 10, 100 or 1000	
	Know and use multiplication and division facts for 2, 5, 10, 3, 4 and 8 multiplication tables	
	Know and use multiplication and division facts for 6, 7, 9, 11 and 12 multiplication tables	
	Recall factor-factor-product relationships for 6,7,9,11 and 12 multiplication tables	
	Add and subtract numbers with up to 4-digits mentally	
	Add and subtract numbers with up to 4-digits using a formal written method	
	Choose efficient methods to add and subtract numbers up to 4-digits	
	Multiply 2-digit by a 1-digit using the distributive law	
	Multiply 3-digit by a 1-digit using a formal written method	
	Divide a 3-digit by a 1-digit number	
	Use place value, known and derived facts to multiply and divide mentally	
	Divide 1 and 2-digit numbers by 10 and 100	
	Read scales in divisions of 1, 2, 5 and 10	
	Calculate fractions of amounts	

	Add and subtract fractions with the same denominator beyond the whole	
	Find families of equivalent fractions	
	Classify quadrilaterals	
	Recognise horizontal, vertical, perpendicular and parallel lines	
	Use standard units to measure perimeter of shapes (length and height) and mass	
	Identify angles in shapes, including right, acute and obtuse	
	Calculate durations of events	
	Tell the time to the hour, half past quarter to/past, 5 minute and 1 minute intervals	
	Add and subtract decimal numbers (up to 2 decimal places) including measures and money	
	Interpret bar charts	
	Describe and plot positions on a 2-D grid as coordinates in the first quadrant	
	Multiply 3-digit by a 1-digit using a formal written method	
	Divide a 3-digit by a 1-digit number	
	Use place value, known and derived facts to multiply and divide mentally	
	Divide 1 and 2-digit numbers by 10 and 100	
	Read scales in divisions of 1, 2, 5 and 10	
	Calculate fractions of amounts	
	Add and subtract fractions with the same denominator beyond the whole	
	Find families of equivalent fractions	

	Classify quadrilaterals	
	Recognise horizontal, vertical, perpendicular and parallel lines	
	Use standard units to measure perimeter of shapes and find the area of rectilinear shapes by counting squares.	
	Identify angles in shapes, including right, acute and obtuse	
	Calculate durations of events	
	Convert between analogue and digital 12 and 24-hour clocks and other units of time	
	Add and subtract decimal numbers (up to 2 decimal places) including measures and money	
	Interpret bar charts	
	Describe and plot positions on a 2-D grid as coordinates in the first quadrant	