



Year 7 : Support Scheme of Work for pupils working at Levels 2 and 3
 Number 2 (9 hours)

Lesson	Learning Objective	Learning Outcomes			Lesson strategies, activities and ideas	Resources
		Must	Should	Could		
1	Know multiplication facts	Know by heart: multiplication facts for the 2 and 10 times-tables; Begin to know: Multiplication facts for the 5 times-table.	Know by heart: multiplication facts for the 2, 5 and 10 times-tables. Begin to know the 3 and 4 times-tables.	Know by heart: multiplication facts for 2, 3, 4, 5 and 10 times-tables. Begin to know multiplication facts for 6, 7, 8 and 9 times-tables.	These need to be repeated in starters throughout the unit.	PFWK y123 p. 53 PFWK y 456 p. 52
2	To be able to partition numbers. Multiply TU x U and HTU x U using grid method	TU x U Multiples of 2,5 and 10 only. e.g. 23 x 5	HTU x U Multiples of 2,3,4, 5 and 10 only. e.g. 123 x 4	HTU x U Multiples of any number up to 10 e.g. 862 x 7	Starter : Partition numbers up to 3 digits Main : For multiplication use the grid method only. I TP : Place value I TP : Multiplication Grid	PFWK y 456 p. 66-7 S/board p. 230-232, 233 (Little problems), 332, 334, 335 TL4 Y7 - OHT N2.2a
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4	Understand the operation of division and the associated vocabulary Derive quickly division facts from multiplication	Understand division as sharing equally e.g. 6 sweets shared between 2 people Division facts corresp to 2, 10 times table	Understand division as the inverse of multiplication e.g. how many 5s make 35? Division facts corresp to 2, 5, 10 times table	Understand and interpret questions such as: Solve $20 \div 4$ as 'How many fours make 20?' Division facts corresp to 2,3,4,5,10 times table	Use ITP : Grouping	PFWK y123 p. 49 PFWK y 456 p. 54
5	Know and use halving as the inverse of doubling	Halve even numbers up to 30	Halve even numbers up to 100. Quarter multiples of 4 up to 100	Halve even numbers up to 1000. Quarter multiples of 4 up to 1000	To quarter - halve and halve again	PFWK y123 p. 53,55 PFWK y 456 p.58 S/board 214-216
6	Recognise and find simple fractions	Recognise and find $\frac{1}{2}$ and $\frac{1}{4}$ of shapes and small numbers of objects	Recognise unit fractions such as $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{10}$... and use them to find fractions of shapes and numbers	Recognise unit $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{10}$... and use them to find fractions of shapes and numbers	Use shapes and counters (or other objects) that pupils can easily manipulate them. Use ITP: Fractions	PFWK y 456 p.24



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7	Recognise simple fractions that are several parts of a whole. Recognise what is NOT a fraction, i.e. when a shape has not been divided into equal parts.	Recognise unit fractions, with any denominator, from a diagram. Know the terms 'numerator' and 'denominator'.	Recognise and name fractions of a whole from a diagram. Know the terms 'numerator' and 'denominator'.	Recognise and name fractions of a whole from a more complex diagram. Know and recognise the terms 'numerator' and 'denominator'.		PFWK y123 p. 21 PFWK y 456 p. 22 TL4 Y7 -OHT N2.3b, 2.3c, 2.3d S/board p. 175, 176
8	Recognise equivalent fractions	Recognise that $\frac{2}{4}$ is the same as $\frac{1}{2}$	Recognise simple equivalent fractions e.g. $\frac{5}{10}$ and $\frac{1}{2}$; five fifths and one whole	Recognise the equivalence of simple fractions e.g. fractions equivalent to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$.	Use ITP: Fractions	PFWK y123 p. 23 PFWK y 456 p. 22
9	Begin to order simple fractions by recognising their relationship to $\frac{1}{2}$	Recognise that $\frac{5}{10}$ is equivalent to $\frac{1}{2}$ and that the numerator is half the denominator.	Using a number line mark the position of one-half or equivalent. Recognise if a fraction is greater or less than $\frac{1}{2}$	Order two fractions with different denominators, one smaller than $\frac{1}{2}$ and one greater than $\frac{1}{2}$.	Qu. Is $\frac{5}{8}$ smaller or greater than $\frac{1}{2}$? On an empty number line from 1 to 1, pupils mark the half way point with the fraction equivalent to $\frac{1}{2}$ (e.g. $\frac{4}{8}$). Use ITP: Fractions	PFWK y 456 p. 22, 23