



Year 7 : Support Scheme of Work for pupils working at Levels 2 and 3
Algebra 2 (4 hours)

Lesson	Learning Objective	Learning Outcomes			Lesson strategies, activities and ideas	Resources
		Must	Should	Could		
1	Know multiplication facts and derive quickly division facts from multiplication	Know by heart: multiplication facts for the 2 and 10 times-tables; Begin to know: Multiplication facts for the 5 times-table. Division facts corresp to 2, 10 times table	Know by heart: multiplication facts for the 2, 5 and 10 times-tables. Begin to know the 3 and 4 times-tables. Division facts corresp to 2, 5, 10 times table	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. Division facts corresp to 2,3,4,5,10 times table	This is a revision of work in Number 2.	PFWK y123 p. 53 PFWK y 456 p. 52
2	Recognise and be able to work out multiples	Count on and back in steps of constant size. Be able to recognise multiples of 2, and 10 Be able to work out multiples of 5	Be able to recognise multiples of 2,5 and 10 Be able to work out multiples of 3 and 4	Be able to recognise multiples of 2,5 and 10 Be able to work out multiples of 3, 4, 6,7,8,9	TL4 Y7 Lesson A2.2 - adapt starter with easier numbers e.g. one dice labelled with numbers 2,5 &10 Idea :Pupils shade multiples on a one hundred square I TP : Number Grid to shade multiples	PFWK y123 p. 7 PFWK y456 p. 16 TL4 Y7 Lesson A2.2 S/board p. 306, 307



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3	Test numbers for divisibility	Know that even numbers are divisible by 2 and numbers that end in 0 are divisible by 10.	Know that numbers that end in 0 or 5 are multiples of 5.	Test for divisibility by 4 by halving and halving again.	No calculators at this stage.	PFWK y456 p. 18 S/board p. 309, 310 (divisibility by 4), 311
4	Recognise and be able to work out factors	Find some factors of a number using a completed multiplication grid	Find all the factors of a number using a number grid	Be able to find a factor (s) of a number such as 12 without using a number grid. Know the difference between a multiple and a factor of a number	Suggestion : make the multiplication grid smaller than 10 x 10 to begin with. No calculators at this stage (these will be used in Algebra 3) Pupils could record factors in spider diagrams as on S/board p. 315	PFWK y456 p. 16 S/board p. 314, 315