

Year 7		
Autumn Term Year 7	vle.mathswatch.co.uk	www.kerboodle.co.uk
<b>Unit 1 Positive Integers and Decimals (Chapter 1 Ex1.1-1.5 and Chapter 6)</b>	Mathswatch clips	Textbook reference book 1B/1C
Recognise place value of an integer	N1a	Ex 1.1
Understand and write integers up to 1 billion in words and figures	N1a	Ex 1.1
Work out intervals on a number line	N2a	Ex 1.1
Round integers to the nearest power of 10	N27a	Ex 1.1
Compare two numbers using =, <, >, ≤, ≥	N2a	Ex 6.1
Order a list of integers	N2a	Ex 1.1
Understand place value for decimals	N1b	Ex 6.1
Position decimals on a number line	N2b	Ex 6.1
Compare and order any number up to 1 billion	N2b	Ex 1.1 and Ex 6.1
Addition of integers and decimals	N3a, N3b, N13a, N13b	Ex 1.2 and Ex 6.2
Subtraction of integers and decimals	N4a, N4b, N14a, N14b	Ex 1.3 and Ex 6.2
Multiplication of integers and decimals	N15a, N15b, N28a, N28b N40a	Ex 1.4 and Ex 6.3
Division of integers and decimals	N16, N29a, N29b	Ex 1.5 and Ex 6.4 and Ex 6.6
Multiply and divide numbers by powers of 10	N17a, N17b	Ex 6.5
<b>Unit 2 Factors, Multiples, Squares, Cubes and Order of Operations (Chapter 1 Ex 1.6 - 1.8)</b>		
Understand the meaning of square, cube, square root and cube root of a number	N25	Ex 1.6
Understand and use order of operations in calculations	N20	Ex 1.7
Use calculators to apply operations	N44	Ex 1.7
Understand and use factors	N10	Ex 1.8
Understand and use multiples	N11	Ex 1.8
<b>Unit 3 Directed Number (Chapter 2)</b>		
Understand and use representations of directed numbers	N19a and N19b	Ex 2.1
Order directed numbers using lines and appropriate symbols	N19a and N19b	Ex 2.1
Perform calculations that cross zero	N19a and N19b	Ex 2.1 and Ex 2.2
Perform four operations on directed number	N19a and N19b	Ex 2.2 and Ex 2.3
<b>Unit 4 Percentages</b>		
Define percentage as 'number of parts per hundred'	N24a	Ex 7.1
Convert and interpret a percentage as a fraction or decimal	N32	Ex 7.1
Express one quantity as a percentage of another	N39a, N39b	Ex 7.2
Reduce or increase a quantity by a percentage	R9a	Ex 7.3
Find a percentage of a quantity using multiplication	R9b	Ex 7.3

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