

**If you are in 7X3, 7X4, 7Y3, 7Y4, 7Z3, 7Z4 please use links from the left hand column (Foundation skills) and middle column (Core Skills).
If you are in 7X1, 7X2, 7Y1, 7Y2, 7Z1, 7Z2 please use links from the middle column (Core Skills) and right hand column (Mastery)**

Higher Groups 1,2		
Foundation Groups 3, 4		
Foundation Skills	Core Skills	Mastery
<p>Number: square numbers Video 226 Video 227 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Number: cube numbers Video 212 Video 213 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Number: cube root Video 214 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p>	<p>Number: BODMAS/BIDMAS (order of operations) Video 211 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p>	<p>Order of operations with negatives: https://donsteward.blogspot.com/2011/11/directed-number-gaps.html (no answers, sorry)</p> <p>Puzzles with order of operations: https://donsteward.blogspot.com/2012/01/order-of-operating.html Particularly try 'bracketed', 'find the missing number', and 'find the missing operations' (no answers, sorry)</p> <p>Questions with nested brackets, which are called parentheses in America: https://www.mathworksheets4kids.com/order-of-operations/nested-parentheses-exponents-level1-1.pdf</p>
Please note that solving equations is not covered in Year 7		
	<p>Algebra: collecting like terms Video 9 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Algebra: multiplying terms Video 18 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Algebra: dividing terms Video 11 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p>	<p>More complex expanding and simplifying: https://donsteward.blogspot.com/2019/06/expanding-and-simplifying.html (no answers, sorry)</p> <p>Two tasks to check understanding of algebraic notation: https://donsteward.blogspot.com/2015/05/starfish.html (no answers, sorry)</p> <p>Further expanding and simplifying: https://donsteward.blogspot.com/2015/05/one-incorrect-simplification.html (no answers, sorry)</p>

	<p>Algebra: expanding brackets Video 13 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Algebra: expressions – forming Video 16 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Algebra: notation Video 19 Practice Questions Practice Questions answers</p>	
	<p>Algebra: substitution Video 20 Practice Questions Textbook Exercise</p>	<p>Trickier substitutions with patterns to spot: https://donsteward.blogspot.com/2012/08/equivalence.html (no answers, sorry)</p> <p>Four puzzles that build from simple substitutions to complex: https://donsteward.blogspot.com/2019/07/to-and-fro.html (no answers, sorry)</p>
<p>Please note that the 'nth term rule' (the position-to-term rule of a sequence) is not covered in Year 7</p>		
	<p>Sequences: describing rules Video 286 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>Sequences: missing terms Video 287 Practice Questions Textbook Exercise Practice Questions answers Textbook answers</p> <p>For a short review exercise that also includes some algebraic sequences: http://taylorda01.weebly.com/uploads/4/2/3/8/42387051/extending_sequences_01.pdf Answers: http://taylorda01.weebly.com/uploads/4/2/3/8/42387051/extending_sequences_01_answers.pdf</p> <p>A 'Connect 4' game grid for continuing sequences: http://media.wix.com/ugd/64c60b_6f0a779d16f745029aa6b5239b0678a0.pdf</p>	<p>Sequences: Fibonacci Video 287a Textbook Exercise Textbook answers</p> <p>A short odd one out activity on types of sequences: https://drive.google.com/file/d/0B9L2iYGRiK2bVINMUXE4X2VKZ28/view (no answers, sorry)</p> <p>Further practice on missing numbers in sequences, particularly fill in the gaps 1 and 2: https://donsteward.blogspot.com/2012/04/extending-and-generalising-number.html (no answers, sorry)</p>