

VOCABULARY						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
				Formula	Formula, formulae	
					Equation	
					Rule	
					Expression	
					Linear number sequence	
					Substitute	
					Variables	
					Symbol	
					Known values	
					Enumerate	
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
		EQUA	TIONS			
solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and <b>missing</b> <b>number problems</b> such as $7 = \Box - 9$ (copied from Addition and Subtraction)	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and <b>missing number</b> problems. (copied from Addition and Subtraction)	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction) solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)		use the properties of rectangles to deduce related facts and find <b>missing</b> <b>lengths and angles</b> (copied from Geometry: Properties of Shapes)	express missing number problems algebraically	
	recall and use addition and subtraction facts to 20				find pairs of numbers that satisfy number sentences	



jiue rela	lently, and derive and use		involving two unknowns
(co	opied from Addition and		
Sub	ubtraction)		
represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)			enumerate all possibilities of combinations of two variables



Connected Calculations	Connected Calculations	Connected Calculations	Connected Calculations	Connected Calculations	Connected Calculations
11 = 3 + 8 12 = 4 + 8 13 = + 8 14 = + 8 What numbers go in the boxes? Can you continue this sequence of calculations?	Put the numbers 19, 15 and 4 in the boxes to make the number sentences correct. = = - = = = + =	Put the numbers 3, 12, 36 in the boxes to make the number sentences correct. = = x = = = ÷	Put the numbers 7.2, 8, 0.9 in the boxes to make the number sentences correct. = = x = = = ÷	The number sentence below represents the angles in degrees of an isosceles triangle. A + B + C = 180 degrees A and B are equal and are multiples of 5. Give an example of what the 3 angles could be. Write down 3 more examples	p and q each stand for whole numbers. p + q = 1000 and p is 150 greater than q. Work out the values of p and q.
		FORM	1ULAE		
			Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit. (Copied from NSG measurement)		use simple formulae recognise when it is possible to use <b>formulae</b> for area and volume of shapes (copied from Measurement)
			Undoing If the longer length of a rectangle is 13cm and the perimeter is 36cm, what is the length of the shorter side? Explain how you got your	Undoing The perimeter of a rectangular garden is between 40 and 50 metres. What could the dimensions of the garden	Undoing The diagram below represents two rectangular fields that are next to each other. Field A Field B



			answer.	be?	Field A is twice as long as field B but their widths are the same and are 7.6 metres. If the perimeter of the small field is 23m what is the perimeter of the entire shape containing both fields? If y stands for a number complete the table below y 3y 3y + 1 25 28 What is the largest value of y if the greatest number in the table was 163?
		SEQUI	ENCES		
sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (copied from Measurement)	compare and sequence intervals of time (copied from Measurement) order and arrange combinations of mathematical objects in patterns (copied from Geometry: position and direction)				generate and describe linear number sequences
	True or false? Explain The largest three digit number that can be made from the digits 2, 4 and 6 is 264. Is this true or false? Explain your thinking.				Generalising Write a formula for the 10 <sup>th</sup> , 100 <sup>th</sup> and nth terms of the sequences below. 4, 8, 12, 16 0.4, 0.8, 1.2, 1.6,

