Mathematical Skills - Progression through the National Curriculum

Notes:

- Algebra

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Equations	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = * - 9	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. solve problems, including missing number problems, involving multiplication and division, including integer scaling		use the properties of rectangles to deduce related facts and find missing lengths and angles	express missing number problems algebraically
		recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				find pairs of numbers that satisfy number sentences involving two unknowns
	represent and use number bonds and related subtraction facts within 20					enumerate all possibilities of combinations of two variables
Formulae				Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit		use simple formulae recognise when it is possible to use formulae for area and volume of shapes
Sequences	sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening	compare and sequence intervals of time order and arrange combinations of mathematical objects in patterns				

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