KS3 Unit 55 Algebraic Proof

Topic/Skill	Definition/Tips	Example
1. Expression	A mathematical statement written using	$3x + 2$ or $5y^2$
	symbols, numbers or letters,	
2. Equation	A statement showing that two expressions	2y - 17 = 15
	are equal	
3. Identity	An equation that is true for all values of	$2x \equiv x + x$
	the variables	
	A 11 11	
4 E 1	An identity uses the symbol: ≡	A C , 1 1 , 1 '11
4. Formula	Shows the relationship between two or	Area of a rectangle = length x width or $\frac{1}{2}$
	more variables	A= LxW
5. Coefficient	A number used to multiply a variable.	6z
J. Coefficient	A number used to multiply a variable.	OZ.
	It is the number that comes before/in front	6 is the coefficient
	of a letter.	z is the variable
6. Odds and	An even number is a multiple of 2	If n is an integer (whole number):
Evens	An odd number is an integer which is not a	
	multiple of 2.	An even number can be represented by
	_	2n or 2m etc.
		An odd number can be represented by
		2n-1 or 2n+1 or 2m+1 etc.
7. Consecutive	Whole numbers that follow each other in	If n is an integer:
Integers	order.	
		n, n+1, n+2 etc. are consecutive
0.0	A	integers.
8. Square Terms	A term that is produced by multiply another	If n is an integer:
Terms	term by itself.	n^2 , m^2 etc. are square integers
9. Sum	The sum of two or more numbers is the	The sum of 4 and 6 is 10
7. Sum	value you get when you add them together.	The sum of τ and o is to
10. Product	The product of two or more numbers is the	The product of 4 and 6 is 24
	value you get when you multiply them	Product of Falla of 10 2 1
	together.	
11. Multiple	To show that an expression is a multiple of	$4n^2 + 8n - 12$ is a multiple of 4
	a number, you need to show that you can	because it can be written as:
	factor out the number.	
		$4(n^2+2n-3)$
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