	Topic	Information	Examples	Sparx Clip
1	**Expressions**	An algebraic <u>expression</u> is an algebraic term or terms connected by + or – signs. An expression does not have an equals or inequality symbol.	$3x + 4$ $(x^3 + 5x - 7)^2$	M521, M952, M409, M106, M288, M818, M830, M795, M531, M949
2	**Substitution**	To <u>substitute</u> a number means to replace the variable with that number.	eg substitute a=3 into 5a means calculate 5x3	M521, M106, M288, M417 M327, M208, M979
3	**Solving equations**	An <u>equation</u> says that two expressions are equal. A <u>variable</u> is a symbol (usually a letter) that could represent any value.	$5x + 7 = 24$	M175, M428, M813, M417, M327, M521, M106, M288, M707, M509
4	**Time**	A measure representing **seconds, minutes, hours** etc	60 seconds = 1 minute 60 minutes = 1 hour 24 hours = 1 day	M515, M892, M627, M963, M747,
5	**Measures**	An international decimal system of weights and measures. **Length: mm, cm, m, km** **Mass: mg, g, kg** **Volume: ml, cl, l**	$1 kilometres = 1000\ metres$ $1\ metre = 100\ centimetres$ $1\ centimetre = 10\ millimetres$ $1\ kilogram = 1000\ grams$	M113, M763, M828, M774, M487