



Year 8 – Spring term learning program

Depending on your current level of maths some students will need to review the year 7 lessons first.
More able students should complete additional lessons within each topic to extend themselves.

Lesson Number	Subject - Algebra	Complete	Score
	Topic - Simplifying Powers		
6	Multiplying Powers		
9	Dividing powers		
12	Simplifying Powers inside brackets, raised to another power		
	Subject - Number, Ratio and proportion		
	Topic - Powers		
31	Simplifying powers -- multiplying positive powers		
32	Simplifying powers -- dividing positive powers		
33	Simplifying powers raised to another power		
	Subject - Algebra		
	Topic - Multiplying Out Brackets		
13	Multiplying out brackets		
	Topic - Factorising into Single Brackets		
22	Factorising expressions into single brackets part 1		
23	Factorising expressions into single brackets part 2		
	Topic - Substituting Numbers into Formula		
25	Substituting numbers into formula, part 1		
26	Substituting numbers into formula, part 2		
27	Substituting numbers into formula, part 3		
	Topic - Solving Equations		
52	Solving equations, part 3		
53	Solving equations with brackets		
54	Solving equations with a divide or fraction		
	Topic - Solving Equations Using Number Machines (Easier method)		
57	Solving equations with brackets, using number machines		
58	Solving equations with a divide in, using a number machine		
	Topic - Rearranging Formula		
28	Rearranging formula part 1		
	Topic - Inequalities		
63	Introduction to inequalities		
64	Writing a list of integers from inequalities		
65	Showing inequalities on number lines part 1		
66	Showing inequalities on number lines, part 2		
67	Showing inequalities on number lines, part 3		
68	Writing inequalities from number lines		
69	Solving inequalities, part 1		

70	Solving inequalities, part 2		
	Subject - Geometry and measures		
	Topic - Area		
7	Calculating the Area of a Trapezium		
	Topic - Circles		
33	Area of a circle		
34	Area of a semi-circle		
	Topic - Compound Areas		
8	Calculating Compound Areas		
9	Compound Areas Involving Different Shapes Part 1		
10	Compound Areas Involving Different Shapes Part 2		
	Topic - Converting Units of Length, Area and Volume		
86	Converting units of area		