Year 8 – Autumn 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.

The first part of the autumn term is dedicated to revise and improve the core topics from year 7.

Lesson Number	Revise and improve	Complete	Score
	Subject - Number, Ratio and proportion		
	Topic - Long addition and subtraction		
1	Long addition		
2	Long subtraction		
	Topic - Long Multiplication and Division		
3	Long multiplication part 1		
4	Long multiplication part 2		
5	Long multiplication part 3		
6	Long multiplication using the grid method		
7	Long multiplication of decimals		
8	Multiplying decimal numbers using the grid method		
9	Long division		
10	Long division with decimal answers		
	Topic - Negative Numbers		
16	Adding negative numbers		
17	Subtracting negative numbers		
18	Adding and subtracting negative numbers		
19	Multiplying negative numbers		
20	Dividing negative numbers		
21	Negative or subtract		
	Topic - Fractions		
56	Simplifying fractions		
57	Adding fractions, part 1		
58	Adding fractions, part 2		
59	Adding fractions, part 3		
60	Subtracting fractions, part 1		
61	Subtracting fractions, part 2		
64	Equivalent fractions, part 1		
66	Finding a fraction of an amount		
67	Ordering fractions		
	Topic - Mixed Numbers		
68	Simplifying top heavy fractions into mixed numbers		
69	Changing mixed numbers into top heavy fractions		
70	Top heavy fractions into mixed numbers, exam tip		

		Subject - Algebra		
		Topic - Algebra		
		Introduction to Algebra		
1		Introduction to Basic Algebra Part 1		
2		Introduction to Basic Algebra Part 2		
		Topic - Simplifying Expressions		
3		Simplifying Expressions Part 1		
4		Simplifying Expressions Part 2		
5		Simplifying Expressions Part 3		
		Topic - Simplifying Powers		
6		Multiplying Powers		
		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		
50		Solving equations, part 1		
51		Solving equations, part 2		
		Topic - Solving Equations Using Number Machines (Easier method)		
56		Solving equations, using number machines		
		Topic - Inequalities		
63		Introduction to inequalities		
		End of Revise and improve		
		Subject - Number, Ratio and proportion		
		Topic - Fractions		
62		Multiplying fractions		
63		Dividing fractions		
		Topic - Mixed Numbers		
71		Adding mixed numbers		
72		Subtracting mixed numbers		
73		Multiplying mixed numbers and fractions		
74		Dividing mixed numbers and fractions		
		Topic - Percentages		
79		Finding percentages -- non calculator, part 1		
80		Finding percentages -- non calculator, part 2		
82		Finding percentages using a calculator		
83		Increasing a number by a percentage (non-calculator)		
84		Increasing a number by a percentage (calculator)		
85		Decreasing a number by a percentage (non-calculator)		
86		Decreasing a number by a percentage (calculator)		
87		Writing a number as a percentage of another number		
		Topic - Simple and Compound Interest		
90		Simple interest, non-calculator		
		Topic - Reverse Percentages		
95		Reverse Percentage, part 1		