Year 8 – Summer 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 - Number, Ratio and proportion	Complete	Score
	Topic - Ratio		
99	Introduction to Ratios		
100	Simplifying ratios		
102	Sharing amounts into ratios, part 1		
103	Sharing amounts into ratios, part 2		
104	Sharing amounts into ratios, part 3		
105	Ratio questions with ingredients		
	Topic - Exchange Rates		
109	Exchange rates		
	Topic - Best Buy		
110	Best buy - Calculator method		
	Subject – Statistics and probability		
	Topic - Stem and Leaf		
13	Introduction to stem and leaf diagrams		
14	Making a stem and leaf diagram		
	Topic - Pie Charts		
22	Calculating angles in pie charts		
	Topic - Averages		
1	Calculating the mean		
7	Choosing the best average		
	Topic - Finding the median		
8	Introduction to Finding the Median		
9	Finding the location of the median		
10	Finding the Median Exam Tip		
11	Finding the Median from a Stem and Leaf Diagram		
	Subject - Geometry and measures		
	Topic - Converting Metric Units		
116	Converting metric units of length part 1		
117	Converting metric units of length part 2		
119	Converting metric units of mass part 1		
120	Converting metric units of mass part 2		
121	Converting metric units of volume and capacity part 1		
122	Converting metric units of volume and capacity part 2		
	Topic - Converting Imperial Units		
126	Converting imperial units of length		
127	Converting lengths 1 step problems		

128	Converting lengths 2 step problems		
129	Converting imperial units of mass		
130	Converting mass 1 step problems		
131	Converting mass 2 step problems		2
132	Converting imperial units of capacity		
133	Converting capacity 1 step problems		
134	Converting volume and capacity 2 step problems		
	Topic - Surface Area		
12	Surface area of a cuboid		
13	Surface area of a triangular prism		
14	Surface area of a cylinder		
	Topic - Volume		
19	Volume of a cuboid		
20	Calculating the volume of any prism		
21	Volume of triangular prism		
22	Volume of a cylinder		
	Topic - Density		
161	The different units of density		
162	Simple Density Questions Part 1		
163	Simple Density Questions part 2		
	Subject - Algebra		
	Formula 1 Distance/time, Velocity/time Graphs		
102	Speed/distance/time questions - Common mistakes		