

Year 8		
Summer Term Year 8	vle.mathswatch.co.uk	www.kerboodle.co.uk
<b>Unit 10 Percentages</b>	Mathswatch clips	Textbook reference book 2B/2C
Express a percentage as a fraction or a decimal	N32	Ex 4.1 (recap Chapter 7 Y7 1B/1C)
Express one quantity as a percentage of another	N39a	Ex 4.1
Compare two quantities by percentage	N39b	Ex 4.2
Recognise percentages greater than 100%	N24a	Ex 4.2
Calculate simple interest	N39a	Ex 4.2
Solve problems involving reverse percentage	110	Ex 4.3
Calculate percentage increase and decrease in quantities	R9a R9b	Ex 4.4
<b>Unit 11 Volumes and Surface Area of Prisms and Cylinders</b>		
Visualise and draw sketches of three-dimensional shapes from different views	S1	Ex 11.1
Visualise and draw the nets of prisms and cylinders	G12c	Ex 11.1
Calculate the volume and surface area of prisms	G25a G25b	Ex 11.2
Calculate the volume and surface area of cylinders	G25a G25b	Ex 11.3
Convert between $\text{cm}^2$ and $\text{m}^2$ and between $\text{cm}^3$ and $\text{m}^3$		Ex 11.4
Solve problems involving volume and surface area of composite solids		Ex 11.4
<b>Unit 12 Statistical Graphs</b>		
Construct, analyse and interpret line graphs, pie charts and scatter graphs	S9 S2a S8 GCSE 153	Ex 12.1, 12.2 and 12.4
Understand what form of statistical representation is appropriate to use and when.		Ex 12.1 and 12.2
Explain why a given statistical diagram can lead to misinterpretation of data		Ex 12.3
Describe types of correlation for a scatter graph	129	Ex 12.4
Draw a line of best fit on a scatter graph and use it to estimate data values		Ex 12.4
Find the equation on a given line of best fit	A14c	Ex 12.4
Identify and explain outliers		Ex12.4

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