Year 7 Objective List – Higher   HT6 – 2022-23

Ratio and Analysing and Displaying Data:

Objective	Sparx Task	
Writing a ratio, simplifying a ratio including with fractions and decimals	M885	
Simplifying ratios	M885	
Simplifying ratios with fractions and decimals	M885	
Writing a ratio as a fraction		
Using ratio tables		
Converting metric units	M772, M530, M761	
Sharing a ratio in two or more parts using bar models	M525	
Sharing in a ratio when given value of one part of the ratio	M525	
Using ratios in scales on maps, metric to imperial conversions and double number lines	U257	
Unitary methods to solve ratio and proportion problems	M478	
Simple problem solving with ratio and inverse proportion	U595	
Simple problem solving with direct proportion	U721	
Writing a ratio in the form 1:n	M543	
Sample and bias	U493	
Displaying data in two way tables	M945	
Comparison and composite bar charts	M460, M738	
Drawing pie charts	M574	

Interpreting pie charts	M165	
Frequency polygons	M140, M183	
Time series Graphs		
Mean, mode and range from discrete data	M940, M841, M328	
Adjust the mean when data is added or taken away	U291	
Compare averages and range from two sets of data	M440	
Find missing data given the averages and range	U291	
Mean from a frequency table (discrete data)	M127	
Mean from a frequency table (grouped data)	M127	
Averages from Charts	U291	
Scatter graphs	M769, M596	