Year 8 Objective List – Higher HT3

Fractions and Percentage Change:

Objective	Sparx Task
Change a fraction to a recurring decimal	M922
Change a recurring decimal into a fraction	U689
Calculate percentage increase and decrease using multiplier	M533
Reverse percentage - Calculate 100% given a percentage increase or decrease	M528
Calculate percentage change	M533
Repeated percentage change	M533

Statistics:

Objective	Sparx Task
Sample and bias	M493
Displaying data in two way tables	M899
Comparison and composite bar charts	M460, M738
Drawing pie charts	M574
Interpreting pie charts	M165
Frequency polygons	U840
Time series Graphs	
Mean, mode and range from discrete data	M94, M841,
	M328
Adjust the mean when data is added or taken away	U717
Compare averages and range from two sets of data	U717
Find missing data given the averages and range	U717
Mean from a frequency table (discrete data)	U981
Mean from a frequency table (grouped data)	U312
Averages from Charts	M127
Scatter graphs	M769, M596
Understand what range is in terms of spread of data	M328

Understand how to calculate interquartile range from	
a list of data (simple)	
Interpret a boxplot	
Draw a boxplot	
Compare boxplots	