

**Multiplicative Reasoning**

Objective	Sparx Task	
1.Apply repeat proportional change	D337	
2.Solve problems by forming equations from given ratios/relationships	D198	
3.Recall the formula for speed and use this to solve problems including multi-stage journeys	U151	
4.Recall the formula for density and use this to solve problems, including working with volumes of solids.	U910	
5.Recall the formula for pressure and use this to solve simple problems.	U527	
6.Convert between compound measures.	U842	
7.Apply kinematics formulae		
8.Set up and solve equations where two variables are directly proportional.	D222	
9.Set up and solve equations where two variables are inversely proportional	D967	

**Interpret and Analyse Data**

Objective	Sparx Task	
1.Understand types of data and plot/interpret simple charts including different types of bar charts/ vertical line graphs, frequency polygons	D559 U199	
2.Draw and interpret pie charts	U508	
3.Produce diagrams for grouped discrete data		
4.Plot and interpret scatter graph. Discuss correlation and use a LOBF	U128	
5.Compare different types of chart and make inferences		
6.Use two way table to show/compare discrete and grouped data		
7.Find and interpret averages and the range from raw data	U877	
8.Find averages from frequency tables	U569	