

Handling Data 2

| Objective | Sparx Task | |
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| 1.Understand types of data and how bias can affect data collection | U162 | |
| 2.Understand samples/populations and how to efficiently collect data | U162 | |
| 3.Find a stratified sample. | U162 | |
| 4.Construct and interpret cumulative frequency tables and graphs | U182 U642 | |
| 5.Use cumulative frequency to find median, quartiles and frequencies greater/less than a certain value. | U507 | |
| 6.Produce and interpret box plots. Use these to compare data and make inferences. | U879 | |
| 7.Construct and interpret histograms. (understand and use frequency density) | U814 U983 | |
| 8.Estimate the mean and/or median from a histogram | U267 | |

Constructions, Loci and Bearings

| Objective | Sparx Task | |
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| 1.Draw and understand plans, elevations and isometric views | U743 | |
| 2.Construct ASA, SAS and SSS triangles | U187 | |
| 3.Construct a perpendicular bisector, angle bisector, bisector from a point to a line, bisector from a point on a line (consider how to use these to draw angles of 30,45 and 60 degrees) | U787 U245 | |
| 4.Construct multiple loci and shade areas to obey these stipulations. These loci include constructions that are a fixed distance from a point, fixed distance from a line. Equidistant from two points and equidistant from two lines. | U820 | |
| 5.Read and construct scale drawings. Estimate lengths from scale. | U257 | |
| 6.Understand, measure and draw bearings accurately. | U525 | |
| 7.Use angle geometry to solve bearings problems | U107 | |