|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Know  1  Individual skills | | |  | Integration | | Apply  2  Understand principles | |
| Skills | | | | Strategy | |  | |
| K4  K2  K3  K1 | Calculate a mean from a set of data  Read values from a line graph  Spot a data point that does not fit the pattern  Estimate values of data between known values | K8 | | | Select relevant data and do calculations | A2  A1 | Describe how anomalous data affects how easily you can identify a pattern  Interpret a sloping line on a graph to suggest the relationship between variables |
|  |  |
| A3 |  |
|  |  |  | | |  |  |  |
| K7  K6  K5 | Identify the variables from information about an investigation  Identify a pattern in data from a results table or bar chart  Express a linear relationship between variables in the form “When...doubles then...also doubles” | K10  K9 | | | Identify patterns in data  Suggest relationships between variables |  |  |
| A4 |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | |  | | | | |  |
| Key words | |  | | |  | |  |
| K11 | **Linear relationship** When two variables are graphed and show a straight line, and they can be called proportional | K13  K12 | | | **Outlier** A piece of data that does not fit the pattern  **Mean** An average of a set of data, calculated by adding all the values and dividing by the number of values | |