NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- |
|  | **5 marks** | **4 marks** | **3 Marks** | **2 Marks** | **1 Mark** |
| **Introduction** |  |  | Comprehensive intro that states purpose of investigation, variables involved and references the question to be solved | Introduction that states purpose of the investigation, including variables involved | Any introduction at all |
| **Scatterplot** | Both variables plotted. Consistent scale w/ appropriate units. Title and both axes labelled | Both variables plotted. One or two mistakes (no title, scale not consistent, etc…) | Both variables plotted. More than two of the following missing: labels on axes, no title, inconsistent scale, ruler not used. | Both variables plotted. Inappropriate scale. Missing either axis labels or title. | Both variables plotted. Incomplete labelling on the axes, improper scale chosen. No title |
| **Graphical Analysis** | Appropriate line of best fit w/ ruler.  Half of all data above the line.  Both outliers identified.  Valid reason stated. | Appropriate line of best fit w/ ruler.  Half of all data above the line.  Both outliers identified. | Appropriate line of best fit w/ ruler.  Half of all data above the line. | Inappropriate line of best fit. Ruler used. | Inappropriate line of best fit. Ruler not used. |
| **Interpretation of the Data** | Correctly identifies direction, form and strength of association. Correctly mentions there is a correlation, but not causation | Correctly identifies direction, form and strength of association. Mentions correlation vs causation, doesn’t clearly define the two | Correctly identifies any two of direction, form and strength. Vague mention of correlation vs causation. | Correctly mentions any two of direction, form and strength of association. Incorrect or no mention of correlation vs causation. | Correctly mentions any one of direction, form and strength of association. Incorrect or no mention of correlation vs causation. |
| **Conclusion** |  |  | Conclusion summarises findings in sufficient detail (teacher’s discretion) | Conclusion uses minimal detail to summarise findings | Conclusion simply provides answer to question posed |
| **Presentation** |  |  | Report is neat, clear and easy to read. Ruler used when necessary, graphs are clearly labelled and sufficient detail is included. | Report is sloppy in areas (ruler not used for line of best fit, to draw graph, etc…). Insufficient detail included in some parts. | Report only covers the basics. Ruler not used, graph not labelled (or incorrectly labelled), minimal detail given for written responses. |
| **TOTAL** | /25 | | | | | |