**Further Mathematics Practice SAT 5**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Temperature (°C)** |  | 5 | 10 | 15 | 20 | 25 | 30 | 35 |
| **Number of workers wearing ties** |  | 18 | 10 | 6 | 5 | 3 | 2 | 2 |

|  |  |
| --- | --- |
|  |  |
|  |  | 1. Construct a scatterplot.
2. Calculate R.
3. Perform an appropriate transformation and recalculate R. Explain why this transformation was appropriate.
4. At what temperature would you expect no workers to be wearing a tie?
 |  |  |
|  |  |  |  |  |
|  |  |
|  |  |
|  |  |
|  |  |