**NUMERACY AND DATA ANALYSIS PRACTICE SHEET 4**

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| 1 | Following data shows the **number of hours sunshine and ice cream sale.**   |  |  | | --- | --- | | **No of hours sunshine (x)** | **No of ice cream sold (y)** | | 1 | 3 | | 2 | 5 | | 3 | 7 | | 4 | 9 | | 5 | 11 | | 6 | 14 |   **Using linear forecasting model (y = mx + c), forecast the ice cream sale if**  **8 hours of sunshine there.**  (Steps;  First calculate slope 'm'  Second calculate intercept 'c'  Afterward create equation and apply 8 hours to find out ice cream sale)  Use following formulas to calculate 'm' and 'c'. |  |
| 2 | Following data shows the number of hours sunshine and number of kids in the playground.   |  |  | | --- | --- | | **No of hours sunshine (x)** | **No of kids in the playground (y)** | | 1 | 3 | | 2 | 5 | | 3 | 7 | | 4 | 9 | | 5 | 11 | | 6 | 14 | | 7 | 16 | | 8 | 18 | | 9 | 20 | | 10 | 22 |   **Using linear forecasting model (y = mx + c), forecast the number of**  **Kids in the playground if 14 hours of sunshine there.**  (Steps;  First calculate slope 'm'  Second calculate intercept 'c'  Afterward create equation and apply 14 hours to find out no of kids in  The playground)  Use following formulas to calculate 'm' and 'c'. |  |