**Scattergraphs**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /4 | % |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1)** Construct a scatterplot for the data about Maths and English test scores for a group of students given below.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/110130808350_1.png |  |  | |  |  | | --- | --- | | **Maths** | **English** | | 7 | 7 | | 3 | 1 | | 5 | 2 | | 2 | 5 | | 6 | 3 | | | [1] |
| **2)** Construct a scatterplot **and** draw a line of best fit for the quiz scores for 8 students in a class.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/110130808350_2.png |  |  | |  |  | | --- | --- | | **1st quiz** | **2nd Quiz** | | 14 | 16 | | 28 | 22 | | 34 | 33 | | 36 | 35 | | 43 | 38 | | 45 | 39 | | 46 | 43 | | 49 | 43 | | | [1] |
| **3)** Plot the mean point ( , ) and draw a line of best fit for the quiz scores for 8 students in a class.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | http://www.mathster.com/course/simgs/110130808350_3.png |  |  | |  |  | | --- | --- | | **1st quiz** | **2nd Quiz** | | 10 | 5 | | 11 | 6 | | 13 | 12 | | 15 | 13 | | 22 | 18 | | 29 | 22 | | 48 | 46 | | 50 | 49 | | | [1] |
| **4)** Here is a scatter plot for a set of bivariate data.  http://www.mathster.com/course/simgs/110130808350_4.png  Describe the correlation shown in the scatterplot using 3 words from the list below.       weak     strong     positive     negative     correlation | [1] |

**Solutions for the assessment Scattergraphs**

|  |  |
| --- | --- |
| **1)** http://www.mathster.com/course/simgs/110130808350_5.png | |
| **2)** http://www.mathster.com/course/simgs/110130808350_6.png | |
| **3)** http://www.mathster.com/course/simgs/110130808350_7.png | |
| **4)** strong negative correlation |  |