**Scattergraphs**

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| **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/143904256636_1.png |  |  | |  |  | | --- | --- | | **Maths** | **English** | | 8 | 3 | | 6 | 2 | | 7 | 7 | | 1 | 1 | | 3 | 6 | | | [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/143904256636_2.png |  |  | |  |  | | --- | --- | | **1st quiz** | **2nd Quiz** | | 10 | 8 | | 12 | 9 | | 13 | 10 | | 16 | 12 | | 19 | 13 | | 22 | 22 | | 27 | 29 | | 50 | 45 | | | [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/143904256636_3.png |  |  | |  |  | | --- | --- | | **1st quiz** | **2nd Quiz** | | 12 | 9 | | 16 | 10 | | 19 | 18 | | 33 | 26 | | 34 | 29 | | 35 | 35 | | 39 | 39 | | 49 | 39 | | | [1] |
| **4)** Here is a scatter plot for a set of bivariate data.  http://www.mathster.com/course/simgs/143904256636_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**

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| **1)** http://www.mathster.com/course/simgs/143904256636_5.png | |
| **2)** http://www.mathster.com/course/simgs/143904256636_6.png | |
| **3)** http://www.mathster.com/course/simgs/143904256636_7.png | |
| **4)** strong negative correlation |  |