WORKSHEET

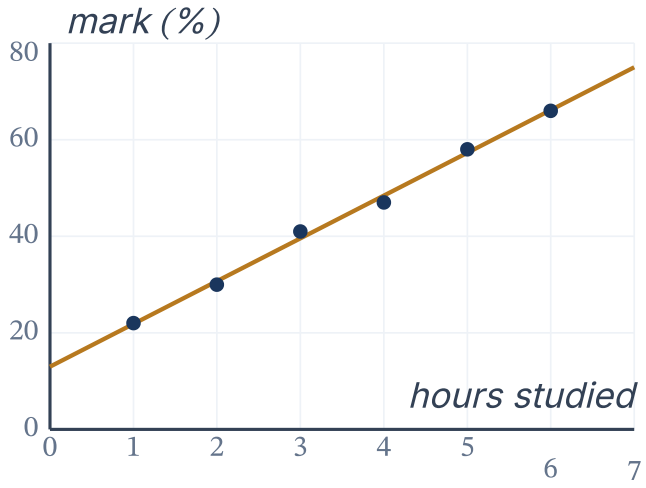
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MARK ____ / 15

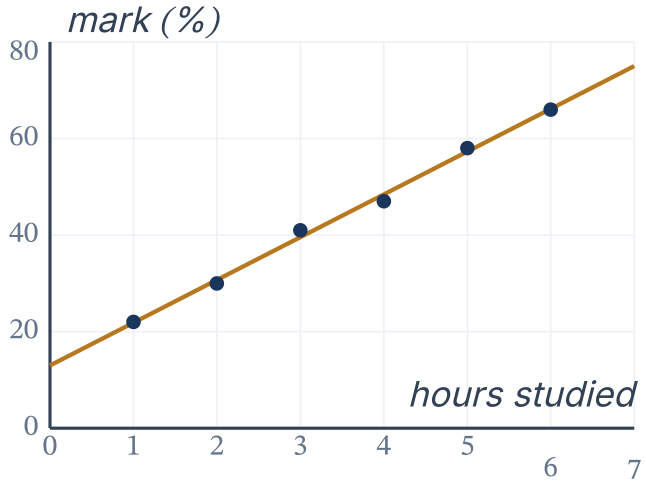
Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 Using the scatter plot below, describe the type of relationship shown. (2)



2 The calculator gives A = 13,00 and B = 8,86. Write down the equation of the least squares regression line. (2)

3 Use the regression line to predict the mark of a learner who studies for 7 hours. (2)



4 Interpret the gradient of the regression line in this context. (2)

5 The correlation coefficient is $r = 0{,}998$. Interpret it. (2)

6 What is the possible range of values for r? (1)

7 Would it be reasonable to use this line to predict the mark for 20 hours of study? Explain. (2)

8 Does a strong correlation prove that studying causes higher marks? **(2)**

TOTAL: 15 marks

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