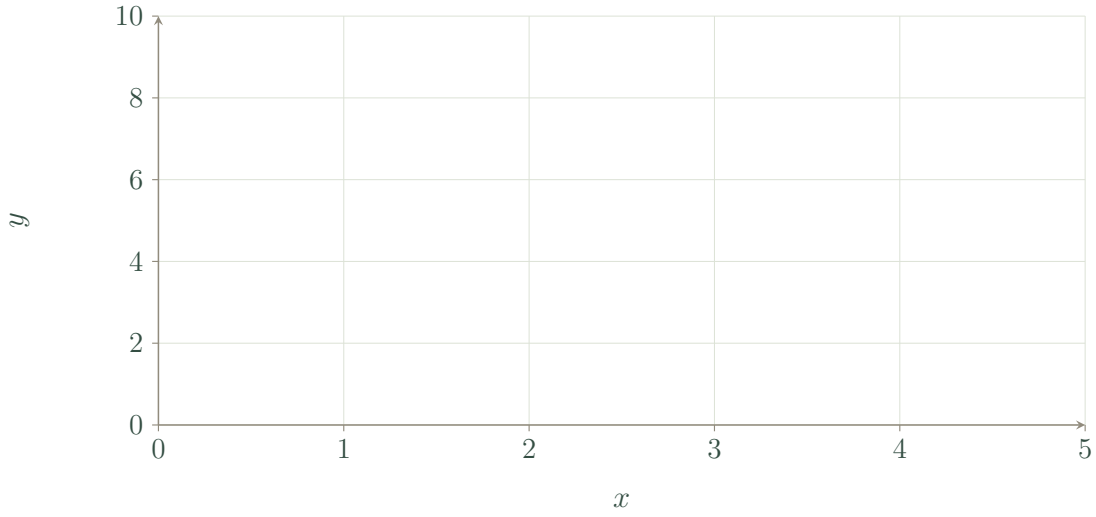
Practice worksheet | Statistics and data analysis

Scatterplots

Name: _____ Date: _____

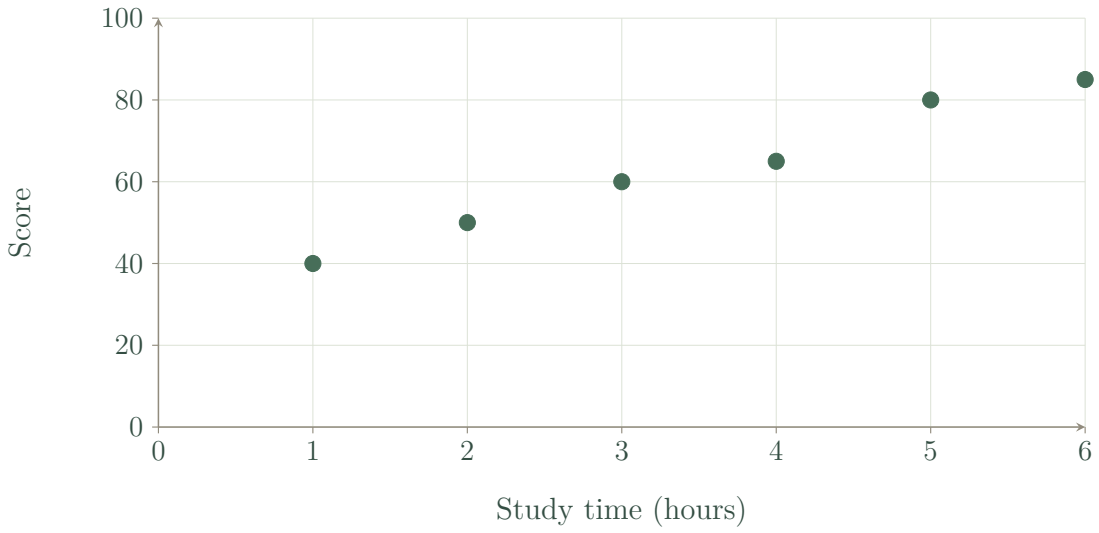
6 questions | 13 marks

1. Plot the pairs $(1, 2)$, $(2, 4)$, $(3, 5)$, $(4, 7)$ on labelled axes. [3 marks]



2. An experiment records water temperature after different heating times. Choose the horizontal variable. [2 marks]

3. Read the score at study time 4 hours from the supplied plot. [2 marks]



4. Why can height and shoe size be shown in a scatterplot but favourite colour and shoe size cannot be plotted the same way without extra conventions? [2 marks]

5. A student sorts both columns independently before plotting. Explain the statistical error. [2 marks]

6. A study covers ages 12-16. Why is a prediction for age 40 unsafe? [2 marks]