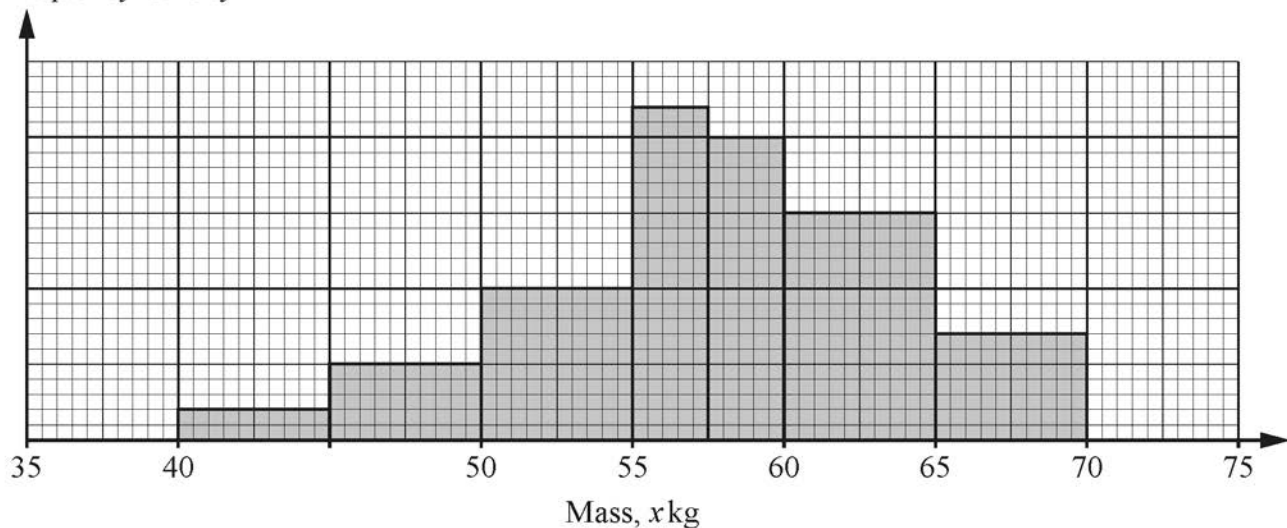


- 10 The masses of a random sample of 120 boulders in a certain area were recorded. The results are summarized in the histogram.

Frequency density



- (a) Calculate the number of boulders with masses between 60 and 65 kg. [2]
- (b) (i) Use midpoints to find estimates of the mean and standard deviation of the masses of the boulders in the sample. [3]
- (ii) Explain why your answers are only estimates. [1]
- (c) Use your answers to part (b)(i) to determine an estimate of the number of outliers, if any, in the distribution. [2]
- (d) Give **one** advantage of using a histogram rather than a pie chart in this context. [1]