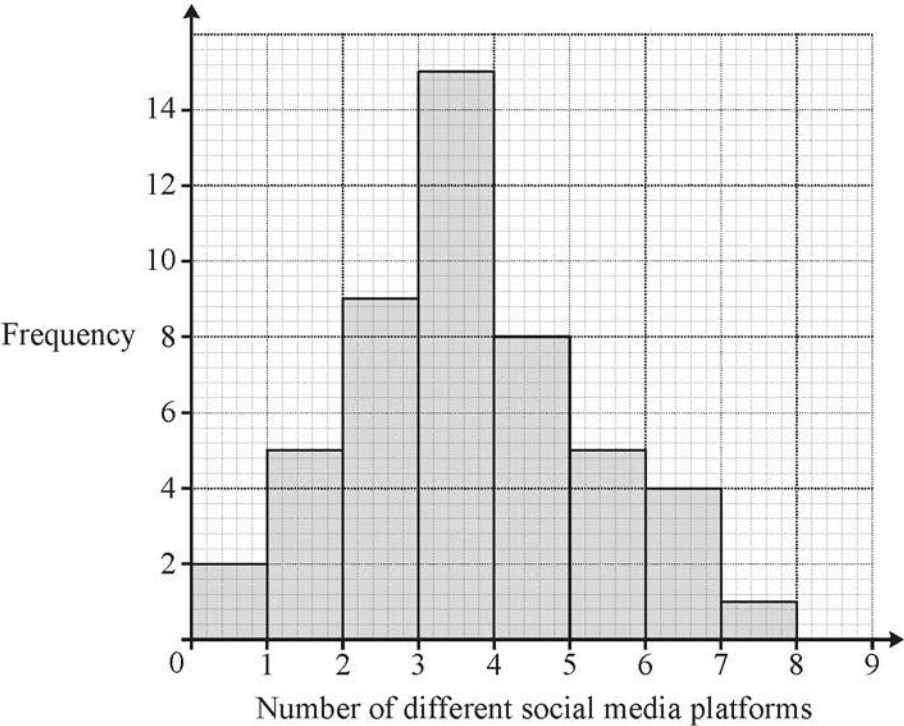1　A researcher collects data concerning the number of different social media platforms used by school pupils on a typical weekday.

The frequency table for the data is shown below.

Number of different social media platforms	0	1	2	3	4	5	6	7
Frequency	2	5	9	15	8	5	4	1

The researcher uses software to represent the results in this diagram.

(a) Explain why this diagram is inappropriate. [1]

(b) Calculate the following for the number of social media platforms used:

   (i)   the mean, [1]

   (ii) the standard deviation. [1]