2. A company has 800 employees.

The manager of the company is going to take a sample of 80 employees.

(a) Explain how this sample can be taken using systematic sampling.

(3)

The company has offices in London, Edinburgh and Cardiff. The table shows the number of employees in each city.

City	London	Edinburgh	Cardiff
Number of employees	430	250	120

The president of the company is going to take a sample of 100 employees to determine the average time employees spend in front of a computer each week.

(b) Explain how this sample can be taken using stratified sampling.

(3)

(c) Explain an advantage of using stratified sampling rather than simple random sampling.

(1)

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Question 2 continued

(Total for Question 2 is 7 marks)