Practice worksheet | Sampling and confidence intervals

Random sampling and bias

Name: _____ Date: _____

6 questions | 12 marks

1. Define the population and variable in a study of weekly bus trips by Year 12 students at one school. [2 marks]

2. A college has 420 day and 180 evening students. Allocate a proportional sample of 40. [2 marks]

3. Describe a simple random sample of 15 from a complete list of 200 items. [2 marks]

4. A list repeats machines A, B, C, D. Why might every fourth item be unsuitable? [2 marks]

5. Households are contacted only once at 2 pm on a weekday. Identify a likely bias. [2 marks]

6. Rewrite “Should our excellent new timetable remain?” neutrally. [2 marks]