Practice worksheet | Statistics and sampling

Random and non-random sampling

Name: _____ Date: _____

6 questions | 13 marks

1. Give a simple random method for choosing 15 of 150 students. [2 marks]

2. A systematic sample starts at 3 with interval 10. Give its first five entries. [2 marks]

3. A 600-entry list uses systematic interval 10. Find the sample size. [1 mark]

4. Groups A and B contain 240 and 360 students. Allocate a proportional sample of 50. [3 marks]

5. An optional sports-website poll asks all students' views on sports facilities. Explain a concern. [2 marks]

6. A list repeats bus, walk, cycle. Why could selecting every third entry be unsuitable? [3 marks]