Practice worksheet | Statistics

Population estimates and uncertainty

Name: _____ Date: _____

6 questions | 12 marks

1. A sample of 40 trees has 14 gum trees. Estimate the gum trees among 600 trees. [2 marks]

2. 52 of 80 surveyed students walk or cycle. Estimate the count among 500 students. [2 marks]

3. A sample suggests 27% of 880 households own a dog. Give a sensible estimated count. [2 marks]

4. Two fair samples give 42% and 47%. Must one be wrong? [2 marks]

5. A biased sample of 1,000 gives 70%. A fair random sample of 150 gives 48%. Which method is preferable for the target population? [2 marks]

6. Samples give 61%, 58%, 63% and 60%. Find their range in percentage points. [2 marks]