Practice worksheet | Statistics and sampling

# Bias, variation and uncertainty

Name: _____ Date: _____

6 questions | 15 marks

**1.** Rewrite “Don’t you agree homework is a waste of time?” neutrally. [2 marks]

**2.** Of 100 invitees, 40 reply and 24 say yes. Find the yes percentage among respondents and state a limitation. [3 marks]

**3.** A fair sample of 40 includes 12 walkers. Estimate the number among 800 students and state a limitation. [3 marks]

**4.** Must one calculation be wrong if two random samples have different means? [2 marks]

**5.** A report calls the single week with the longest queue typical. Explain the concern. [2 marks]

**6.** Give a transparent way to discuss a valid outlier. [3 marks]