Practice worksheet | Statistics and data analysis

Comparing distributions

Name: _____ Date: _____

6 questions | 14 marks

1. Class A has mean 72, SD 6; class B has mean 72, SD 11. Compare. [2 marks]

2. Bus A has median delay 5 min, IQR 2; Bus B median delay 3 min, IQR 6. State two differences. [3 marks]

3. One sample is in centimetres and another in metres. What must you do before comparing spreads? [2 marks]

4. A class has one unusually high score. Which is generally less affected: mean or median? Explain. [2 marks]

5. A sample of 10 volunteers has a lower median than a random sample of 200. Can you conclude its population median is lower? [2 marks]

6. Write a comparison using both plots. [3 marks]

