Practice worksheet | Statistics and data analysis

Mean, median and range in continuous distributions

Name: _____ Date: _____

6 questions | 15 marks

1. Find the mean of the lengths 2.4, 2.8, 3.2 and 3.6 cm. [2 marks]

2. Find the median and range of 8.2, 7.5, 9.0, 8.4 and 7.9 seconds. [2 marks]

3. Find the mean and median of 1.2, 1.4, 1.5, 1.7 and 9.2 kg. Which is more typical of the four smaller masses? [3 marks]

4. Estimate the mean waiting time for the table. Explain why it is not exact. [3 marks]

Waiting times

Interval(min)	Frequency
$0 \le t < 10$	7
$10 \le t < 20$	2
$20 \le t < 30$	1

5. One class has mean height 1.55 m. Another has median height 1.55 m. Does this prove their height distributions are the same? [2 marks]

6. A runner's five times have mean 14.2 s. Four times total 55.9 s. Find the fifth time. [3 marks]