

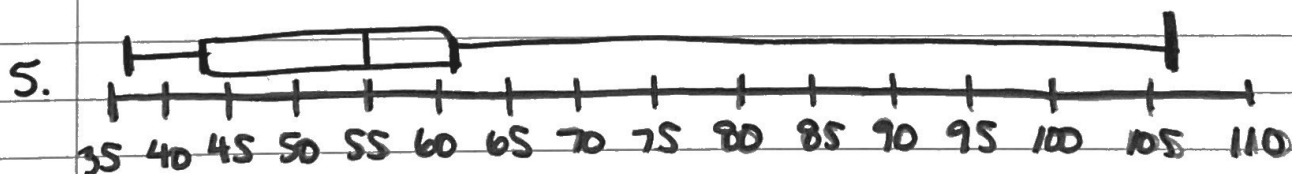
Unit 6 Review 2 Key

1. mean: 51.6
med: 43.5
mode: 39

2. mean: 58.2
med: 58
mode: none

3. min: 36
 Q_1 : 39
med: 43.5
 Q_3 : 53
max: 106
IQR: 14
Range: 70
MAD: 15.18

4. min: 50
 Q_1 : 53
med: 58
 Q_3 : 62.5
max: 68
IQR: 9.5
Range: 18
MAD: 4.47



min: 36
 Q_1 : 43.5
med: 55
 Q_3 : 61
max: 106

$$6. 43.5 - 1.5(17.5) = 17.25$$

$$61 + 1.5(17.5) = 87.25$$

106 is outlier.

7. Causation 8. Negative 9. Positive

10. No correlation.

- 11.
- a) $y = -12.74x + 124.02$
 - b) $r = -.99$
 - c) If you had zero absences, you would score a 124.02 on test.
 - d) for every absence, score decreases by 12.74.
 - e) -3.38
 - f) 3.37 days

12. $\frac{40}{200} = .2$

13. $\frac{73}{200} = .365$

14. $\frac{48}{70} = .69$