## How changing a value affects the mean and median: Worksheet 11.2

Name Score

Find new mean and new median of the data set if a data is changed.

- 1. 18, 15, 11, 3, 8, 4, 13, 12, 3; 18 is changed to 21
- 2. 25, 18, 18, 13, 4, 17, 18, 19, 3; 3 is changed to 8
- 3. 6, 12, 9, 4, 4; 9 is changed to 12
- 4. 21, 1, 16, 8, 19; 8 is changed to 12
- 5. 18, 7, 11, 1, 19, 15, 19, 9; 1 is changed to 8
- 6. 12, 15, 18, 13, 6, 14; 15 is changed to 7
- 7. 12, 12, 4, 12, 2, 12; 2 is changed to 6
- 8. 8, 12, 8, 10, 18, 12, 4; 12 is changed to 19
- 9. 20, 5, 7, 6, 19, 5, 16, 7; 19 is changed to 9
- 10. 17,7,2,15,6,19,20,15,18;6 is changed to 16



## Solutions: Worksheet 11.2

- 1. Mean = 9.67; Median = 11; New Mean = 10; New Median = 11
- 2. Mean = 15; Median = 18; New Mean = 15.55; New Median = 18
- 3. Mean = 7; Median = 6; New Mean = 7.6; New Median =6
- 4. Mean = 13; Median = 16; New Mean = 13.8; New Median = 16
- 5. Mean = 12.38; Median = 13; New Mean = 13.25; New Median = 13
- 6. Mean = 13; Median = 13; New Mean = 11.67; New Median = 12.5
- 7. Mean = 9; Median = 12; New Mean = 9.67; New Median = 12
- 8. Mean = 10.29; Median = 10; New Mean = 11.29; New Median = 10
- 9. Mean = 10.63; Median = 7; New Mean = 9.38; New Median = 7
- 10. Mean = 13.22; Median = 15; New Mean = 14.33; New Median = 16

