*Which Measure is the Best?*

**Data Management**

**Unit 1 Line Master 3a**

**Part A**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The table gives the heights of a class of grade 8 students.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Heights of Grade 8 Students (m) | | | | | | | 1.54 | 1.56 | 1.52 | 1.55 | 1.58 | 1.54 | | 1.55 | 1.52 | 1.52 | 1.57 | 1.52 | 1.59 | | 1.58 | 1.56 | 1.58 | 1.57 | 1.52 | 1.54 | | |
| Mean | Median |
| Mode |  |
| Which measure best represents these data: mean, median, or mode?  Justify your choice. | |
| Determine the range. What does the range tell you about the data? | |

*Which Measure is the Best?* (cont’d)

**Data Management**

**Unit 1 Line Master 3b**

**Part B**

|  |  |
| --- | --- |
| The number of goals scored in one month for each team in a hockey league are: 2, 14, 9, 22, 11, 12, 13, 15, 21, 27 | |
| Mean | Median |
| Mode |  |
| Which measure best represents these data: mean, median, or mode?  Justify your choice. | |
| Remove the outlier. Recalculate the measures.  Does the answer to your previous question change? Explain. | |