**Statistics and Probability**

**Unit 1 Line Master 3a**

*Which is the Best Measure?*

For each set of data, determine the mean, median, and mode.  
Justify your choice for the best measure.

**Set 1:** One hundred people completed an online survey   
about video games.   
Here are the ages of eight people who said they play video games   
at least twice a week: 9, 12, 6, 10, 12, 11, 38, 7  
Which measure of central tendency best represents the typical age?

**Statistics and Probability**

**Unit 1 Line Master 3b**

*Which is the Best Measure?* (cont’d)

**Set 2:** Here are the number of laps run by a group of students   
in a P.E. class: 3, 2, 4, 2, 2, 1, 3, 4, 2  
Which measure of central tendency best represents the typical number of laps run?

**Statistics and Probability**

**Unit 1 Line Master 3c**

*Which is the Best Measure?* (cont’d)

**Set 3:** A bookstore has 12 books in its young adult section.   
There are 5 different prices:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number of books** | 2 | 3 | 2 | 3 | 1 | 1 |
| **Price ($)** | 10.99 | 11.99 | 14.99 | 15.99 | 29.99 | 35.99 |

Which measure best represents the typical price   
of a young adult book?