Data Management Practice Problems

1. Kyla is a member of her school’s basketball team. The heights of the other starting players are: 160 cm, 156 cm, 148 cm, 147 cm. The mean height of the starting lineup is 152.4 cm. How tall is Kyla?
2. Jason plays on his school’s basketball team. The table below shows the number of points he scored in the first 9 games of the season.
   1. Find the mean, median, and mode for the points Jason scored.
   2. Explain why the mean does not truly represent Jason’s usual performance.

|  |  |
| --- | --- |
| Game | Points Scored |
| 1 | 8 |
| 2 | 6 |
| 3 | 8 |
| 4 | 6 |
| 5 | 10 |
| 6 | 35 |
| 7 | 10 |
| 8 | 8 |
| 9 | 8 |

1. Grade 6 students completed a math test, and had the marks shown below:

50, 71, 76, 66, 93, 80, 65, 76, 80, 80, 95, 100, 81, 80, 100, 92, 74, 88, 80, 45, 69

* 1. Find the median and mode.
  2. The class had 8 tests over the last 8 months with the following mean scores:

January 78.1

February 80.3

March 74.6

April 74.2

May 83.0

June 79.5

July 88.7

August 72.9

Draw a line graph showing the different mean scores.

* 1. In b, why was a line graph the best choice?
  2. Make 3 observations based on the graph.