

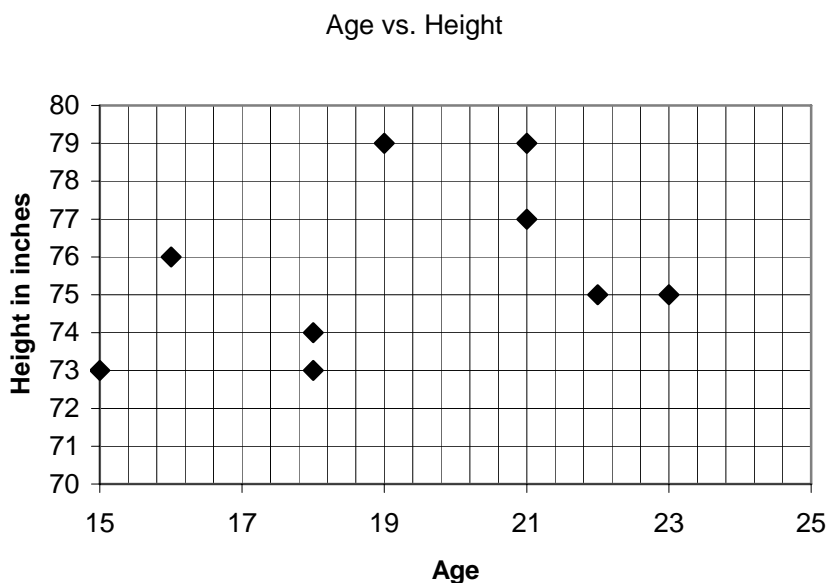
**PROBLEM-OF-THE-DAY: ALGEBRA 1****WEEK:** December 10 to December 14**Day:** Friday

**RISD Objective:** Given a scatter plot, students will be able to determine the correlation, draw a line of best fit, and use it to make a prediction.

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**PROBLEM #77**

A survey was taken of basketball players over 6 feet tall. They were asked at what age they reached their final height, and the data are shown in the following scatter plot (Note that this is zoomed in on a specific part of the graph):



- Describe the correlation.
- Draw a line of best fit.
- Predict how tall a player would be if he reached final height at age 17.

**MODEL SOLUTION #77**

- a) There is no correlation**
- b) Because there is no correlation, it is not possible to draw a line of best fit.**
- c) Because there is no line of best fit, it is not possible to predict the age at which a person will reach maximum height.**