

D Using Best-Fit Lines



Each year, Mrs. Welch, a gym teacher at Bessie Coleman School, records the number of sit-ups each student can do. Nila used her data to make a graph which shows the number of sit-ups she could do each year.

- A. Describe the graph.
- B. If you read the graph from left to right, do the points go uphill or downhill?
- C. What does the graph tell you about the number of sit-ups Nila can do?
- D. Do the points lie close to a straight line? If so, use a ruler to draw a best-fit line.
- E. If possible, predict the number of sit-ups Nila will be able to do when she is 12.
- F. Does knowing Nila's age help you predict the number of sit-ups she can do?

