

Using Best-Fit Lines

1. 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 that 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. Show any work on the graph.

F. Does knowing Nila's age help you predict the number of sit-ups she can do?

Nila's Sit-Ups

