

Collecting Measurement Data

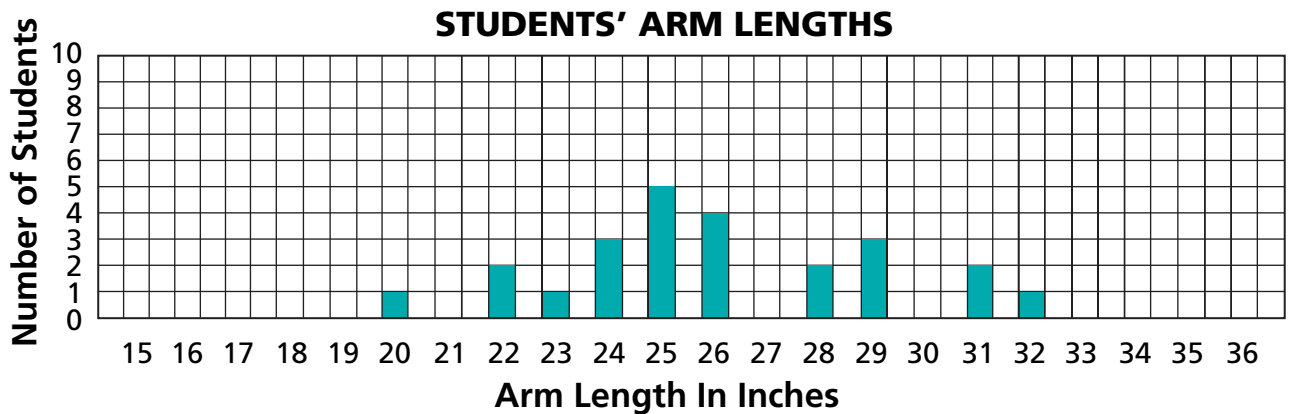
NCTM Standards 1, 2, 6, 7, 8, 9, 10

Collecting Data

Measure the length of your arm to the nearest quarter inch.

Measurement: _____ Round to the nearest inch: _____

Here are the arm lengths in a fourth-grade class.
Record your own arm length on the graph.



- 1 If you picked a student at random from this class, what is the likelihood that the student's arms would be at least 1 inch longer than yours? Circle your answer.

Certain

Likely

Unlikely

Impossible

Explain your answer. _____

- 2 If you picked a student at random from this class, what is the likelihood that the student's arms would be at least 5 inches longer than yours? Circle your answer.

Certain

Likely

Unlikely

Impossible

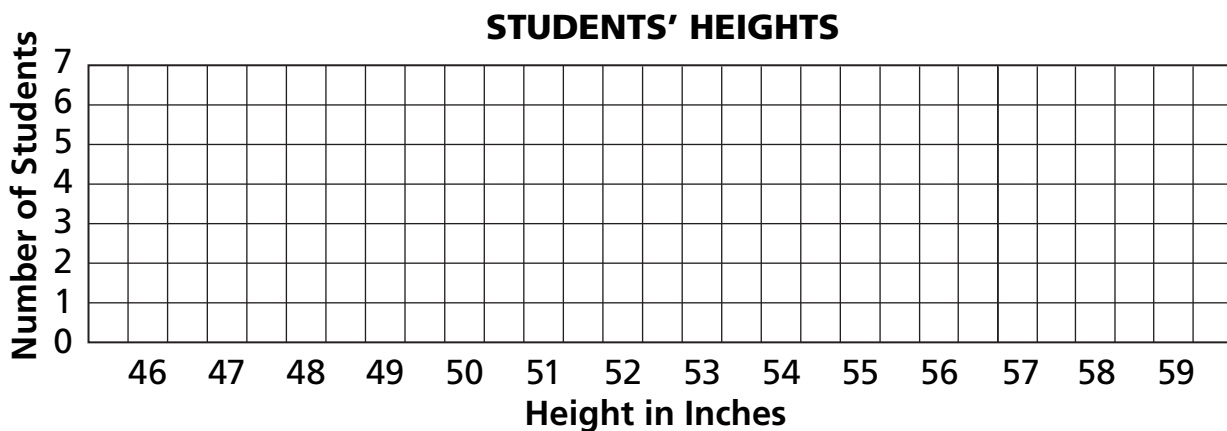
Explain your answer. _____

Height Measurements

A third grade class measured the height of each student.

50 inches	54 inches	52 inches	51 inches	51 inches
56 inches	58 inches	54 inches	54 inches	55 inches
51 inches	52 inches	53 inches	55 inches	52 inches
54 inches	51 inches	55 inches	52 inches	54 inches
50 inches				

- 3 Graph the data that the class collected.



- 4 What is the most common height in the class? _____

5 Challenge Shawn is a student in the class. Half the students are shorter than he is and half are taller. How tall is Shawn? _____