

2 Multiple-Bar Graphs

What Is a Multiple-Bar Graph?

A multiple-bar graph is one where data have been organized into categories for several groups. If there are two groups, it is often called a double bar graph.

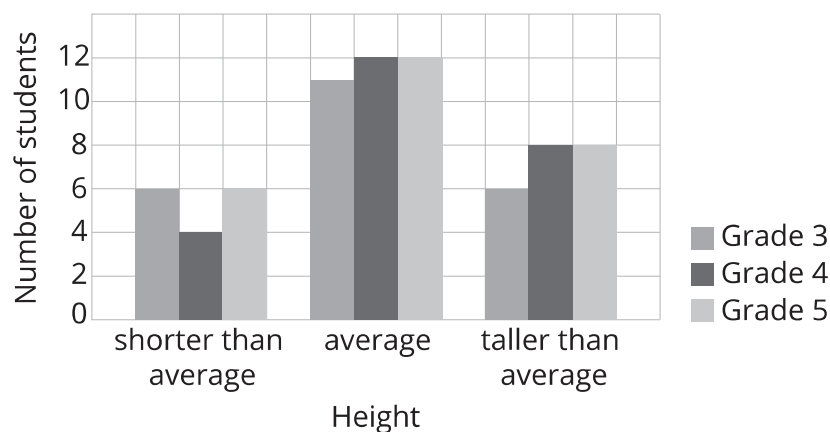
For example, it might show by grade the numbers of children who are shorter than average, average, and taller than average.

You can use a frequency table to record the data and then use the data on that table to create the graph.

Heights of Students

	Shorter than average	Average	Taller than average
Grade 3	6	11	6
Grade 4	4	12	8
Grade 5	6	12	8

Comparing Heights of Students in Grades 3 to 5



In a multiple-bar graph, each set of data can be analyzed and the different sets can also be compared.

When Are Multiple-Bar Graphs Useful?

Multiple-bar graphs are useful when data can be sorted into the same categories for two or more groups.

Definitions

double bar graph: a multiple-bar graph where there are two sets of data

frequency table: a chart that lists the values of the data in each category

multiple-bar graph: a type of bar graph used to compare several sets of data that have been organized into the same categories; for example, the favourite sports of Grade 4 students can be compared to the favourite sports of Grade 7 and Grade 10 students