

Possible Solutions

The data from two random samples of 100 students from two different schools regarding their favorite candy preferences are given below.

Students	Chocolate Bars	Suckers	Gum	Total
North Middle School	65	15	20	100
South Middle School	56	21	23	100

Using the data from the random samples, predict and compare the types of candy that should be sold in the school store. Justify your thinking.

Some possible conclusions include:

1. More students prefer chocolate bars than any other type of candy because there are a greater number of students surveyed at both schools that chose chocolate bars.
2. About the same number of students prefer gum at both schools because the number that chose gum is about equal.
3. More students at North Middle School prefer chocolate bars than the students at South Middle School because more students at North chose chocolate bars.
4. About three times as many students prefer chocolate bars than gum because 20×3 is about 65.