



Problem of the Week

Problem B

Cookie Monsters!

Problem

POTW cookies have two chocolate chip cookies on the outside which hold together a delicious creamy center. While sharing your POTW cookies with your friends, you notice that there are many different ways that people eat them. You decide to conduct a survey to determine the favourite ways these cookies are eaten.

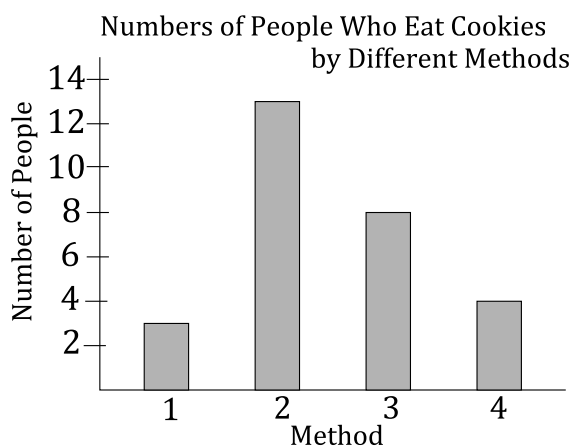
- Discuss with your classmates different ways the cookies can be eaten. Decide on the four most popular methods.
- Survey your class, friends, and family, and make a tally chart showing which of the four methods they prefer. Remember: the more people from whom you get data, the better your survey.
- Record the data from your tally chart in the table.
- Display your data on an appropriate graph, using software if desired.
- Based on your research, what conclusions can you draw about how people like to eat POTW cookies?

Solution

Here are the results of one class survey.

Four different methods of eating the cookies were discovered: 1. Straight bites
2. Lick the creme 3. Eat the creme inside first 4. Eat the non-creme outsides first

Method 1	Method 2	Method 3	Method 4
///	###	###	////
	###	///	
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3	13	8	4



Based on the results of this survey, most people in this class liked to eat the creme first, either by licking it off or eating the whole creme side of the cookie. The least popular way is by eating straight bites.

