

Practice 10-4

Two-Way Tables

1. Forty people were surveyed at a sporting goods store about their favorite outdoor activities. Below are the results.

- 10 men and 3 women chose water skiing.
- 5 men and 7 women chose wakeboarding.
- 1 man and 2 women chose hiking.
- 8 men and 4 women chose fishing.

a. Construct a two-way frequency table for the data.

Favorite Outdoor Activity

	Water Skiing	Wakeboarding	Hiking	Fishing	Total
Men					
Women					
Total					

b. According to the survey, what is the least popular activity? _____

2. The frequency table shows the uniform preferences of 45 band members.

Favorite Color

	Black	White	Gray	Total
Ribbons	3	6	1	10
Ruffles	2	8	6	16
Sequins	11	6	2	19
Total	16	20	9	45

a. Make a two-way table of relative frequencies. Find the relative frequencies for each column.

	Black	White	Gray
Ribbons			
Ruffles			
Sequins			
Total			

b. Is there evidence that those who prefer black also prefer sequins to ruffles? Explain. _____

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