

## Two-way Frequency Tables

- 1) A summer camp surveyed children to find out whether they enjoyed swimming, hiking, or arts and crafts the most. The responses were categorized by boys and girls, and the results are summarized in the table below. Analyze the data to answer the following questions.

	Swimming	Hiking	Arts and Crafts
Boys	22	15	10
Girls	11	12	14

a) What is the total number of children who participated in the survey?

b) What is the combined frequency of boys and girls who

c) What is the frequency difference between boys and girls who chose swimming?

- 2) A music streaming service offers two subscription types (free or premium) and three content types (music, podcasts, audiobooks). Analyze the data to answer the following questions.

	Music	Podcasts	Audiobooks
Free	32	18	10
Premium	45	25	15

a) What is the total number of premium subscribers who

b) What is the total number of subscribers who prefer audiobooks?

c) Do premium subscribers prefer music or podcasts?

- 3) To analyze student involvement in extracurricular activities, a school surveyed 7th and 8th graders. The results are summarized in the table below. Analyze the data to answer the following questions.

	Sports	Clubs	Drama
7th Grade	18	12	8
8th Grade	22	14	6

a) How many students, across both grades, are not involved in either club?

b) Which club had the highest frequency of participants?

c) What is the frequency of 7th graders who joined the Drama Club?

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)