

Answering Questions from Two Way Tables

1. A group of 60 children were asked whether they wanted to go on a picnic or to the movies.

22 girls and 11 boys wanted to go on picnic.

19 boys wanted to go to the cinema.

(a) Use this information to complete the two-way table below.

(b) How many children, in total, want to go to the cinema?

	Picnic	Cinema	Total
Boys	11	19	30
Girls	22	8	30
Total	33	27	60

Total number of children who want to go to the cinema = $60 - (22 \text{ girls} + 11 \text{ boys})$.
So, (b) 27 children want to go to the cinema.

2. In a class of 40 students, 15 boys like pizza, and 10 girls like burgers. Total 20 students like burgers.

(a) Complete the two-way table with the help of the information.

(b) Find out how many students in total prefer burgers.

	Burger	Pizza	Total
Boys			
Girls			
Total			

3. In a group of 70 people, 25 boys prefer hiking, and 20 girls prefer biking. Total 35 people like hiking.

(a) Complete the two-way table with the help of the information.

(b) Find out how many people in total prefer biking.

	Hiking	Biking	Total
Boys			
Girls			
Total			

4. In a survey of 60 people, 30 boys like chocolate ice cream, and 25 girls like vanilla ice cream. Total 35 people like vanilla ice cream.

(a) Use this information to complete the two-way table below.

(b) How many children, in total, like chocolate ice cream?

	Chocolate ice cream	Vanilla ice cream	Total
Boys			
Girls			
Total			

5. In a library survey, 50 people were asked about their favorite book genres.

20 girls like mysteries, and 15 boys romance novels. Total 25 people like mysteries.

(a) Complete the two-way table with the help of the information.

(b) Find out how many students in total romance novels.

	Romance	Mysteries	Total
Boys			
Girls			
Total			

6. A travel agency surveyed 70 customers about their travel preferences.

35 male customers prefer beach vacations, and 25 female prefer mountain trips.

Total 40 people like beach vacations

(a) Complete the two-way table with the help of the information.

(b) Find out how many people in total prefer mountain trips..

	Beach	Mountain	Total
Female			
Male			
Total			