

Lesson 4-4: Interpret Two-Way Frequency Tables

1. Sample answer: A two-way frequency table shows two categories, each of which can have two or more subcategories. The rows contain data for one set of subcategories followed by a total. The columns show the other set of subcategories followed by a total. You can easily see the relationship between the data by comparing the data in the cells and the row or column totals.
2. Sample answer: Look for the row or column with all but one piece of data. Then find the missing piece by subtracting the given data from the total or inserting the given data to find the total.
3. Sample answer: To insert a new category, go to the row or column containing similar categories. To insert a data value into a subcategory, find the row it goes in and move to the right to find the column it goes in.
4. 10
13; 32
29; 60
5. No; Sample answer: There are 13 middle school students who wear glasses and 20 high school students who wear contacts.
6. 20
10; 25
35
7. 44; 125
39
80
8. 25; 4
12; 35; 58
18; 7
51; 19
9. The statement is false because 104 students study for 5 to 6 hours and 147 students study for 1 to 2 hours.
10. a. 6; 14; 20
5; 15; 20
7; 13; 20
18; 42; 60
b. Saturday; Sample answer: There were only 5 Saturdays with rain, which is the least of the three days.
11. a. 25; 23; 48
14; 12; 26
39; 35; 74
b. B