

## Using Two-Way Tables Word Problems - Independent Practice Worksheet

Complete all the problems. Use the two-way-table to answer the questions.

Students	Graduates	Not graduates	Total
Boys	16	29	45
Girls	13	12	25
Total	16 + 13 or 29	29 + 12 or 41	70

1. Among students who graduated, what is the proportion of boys?

2. Among students who are non-graduates, what proportion are girls?

Use the two-way-table to answer the questions. Students were asked if

Food	Pizza	Burgers	Total
Kids	15	35	15+35=50
Adults	24	26	24+26=50
Total	15 + 24 or 39	35 + 26 or 61	100

3. What is the relative frequency of adults whose favorite food is pizza?

4. What is the relative frequency of people (kids and adults) who's favorite food are burgers?

Use the two-way-table to answer the questions. A group of 80 female students were asked if dancing or singing were their favorite hobbies.

Hobby	Favorite Hobby	Not Favorite Hobby	Total
Dance	17	24	17+24=41
Singing	21	19	21+19=40
Total	17 + 21 or 38	24 + 19 or 43	81

5. What is the relative frequency of dance being the favorite hobby?

6. What is the relative frequency of singing being the favorite hobby?



Name \_\_\_\_\_

Date \_\_\_\_\_

**#7-10 Directions: Create a two-table to display all data that is described and can be revealed.**

**7. It was found that 45 students own a laptop and 27 of these students do not own a four wheeler. There were 35 students that do not own a laptop and 12 of these students own a four wheeler.**

**8. It was found that 70 students own headphones and of these 22 students own an LED TVs. 70 students don't own headphones, but 45 of these students own an LED TV.**

**9. Students were having races in a pool and outside of the pool on the deck. It was found that 70 students were swimming and 22 of those students were racing. 70 students were not swimming and 45 of those students were racing on the deck.**

**10. The director had 205 dancers with mixed skills. 72 dancers were trained in both folk and classical dance. 43 trained in classical dance, but not folk. 62 dancers were not trained in either discipline.**

