

Common Core Math I Homework

**Ms. Kinkaid polled her students to find out which they watched most on television: reality shows, sports, or sitcoms.
 Of the females, twelve watched reality shows, two watch sports, and six watched sitcoms.
 Of the males, ten watched reality shows, seventeen watched sports, and three watched sitcoms.**

1. Organize the data in a two-way frequency table. Let the gender be the row variable and the television be the column variable. Label all parts of the table.

Answer the following questions based on your tables above.

- _____ 2. Overall, what do students watch most?
- A. Reality Shows B. Sports C. Sitcoms D. Not enough information
- _____ 3. What percent of the female students prefer to watch reality shows?
- A. 7% B. 24% C. 60% D. 55%
- _____ 4. Which value best represents the frequency of the number of males who watch sports?
- A. 30 B. 17 C. 19 D. 34
5. What percent of the total survey participants prefer to watch sitcoms?
6. What percent of the students are male?

A book club has 200 members. Each member was asked whether he or she prefers fiction or nonfiction books. The results are shown in the relative frequency table below

Age	Fiction	Nonfiction	Total
21-30	0.32	0.11	0.43
31-40	0.38	0.19	0.57
Total	0.70	0.30	1.00

Use the table to answer the following question:

7. How many 31-40 years old prefer fiction?
8. How many 21-30 years old were surveyed?
9. How many members prefer nonfiction?