6. Do you think there is an association between gender and choice of after-school program? Explain.

Column conditional relative frequencies can also be computed by dividing each frequency in a frequency table by the corresponding column total to create a column conditional relative frequency table. Column conditional relative frequencies indicate the proportions, or relative frequencies, based on the column totals.

7. If you wanted to know the relative frequency of females surveyed who participated in chess club, would you use a row conditional relative frequency or a column conditional relative frequency?

8. If you wanted to know the relative frequency of band members surveyed who were female, would you use a row conditional relative frequency or a column conditional relative frequency?

9. For the superpower survey data, write a question that would be answered using a row conditional relative frequency.

10. For the superpower survey data, write a question that would be answered using a column conditional relative frequency.