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One hundred 8th-grade students were asked which sport they prefer among football, baseball and basketball. The following two-way table shows the results of the survey.

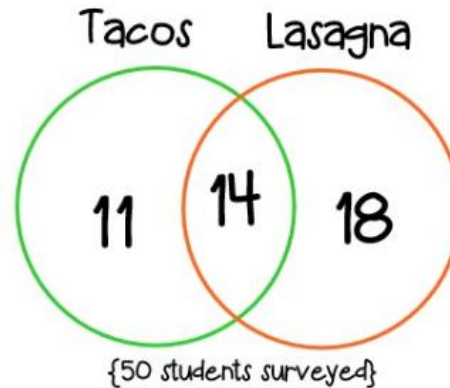
Sport	Girls	Boys	Total
Football	15	10	25
Baseball	20	15	35
Basketball	15	25	40
Total	50	50	100

- Identify two trends in the table.
- How many more 8th graders voted for basketball than football?
- How many more girls like baseball than boys?

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The math team was asked to vote for which dinner they would like for their banquet. Construct a two-way table for the information shown in the Venn Diagram.



What will the math team be having for dinner at their banquet?

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Two hundred students in a summer camp voted for the location of a field trip.

	Park	Museum	Aquarium	Total
Girls	20	30	50	100
Boys	40	20	40	100
Total	60	50	90	200

construct

- a relative-frequency two-way table for the whole table.
- a relative-frequency two-way table for the rows.
- a relative-frequency two-way table for the columns.
- Which relative-frequency two-way table would you use to show the percentages of boys versus girls who voted to go to the park? Explain why.

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