

Part E: Class Survey

Mr. Sosa's class conducted a survey of high school students. Read the table of their results below.

Students on Sports Teams This Year

Grade	Gender	Number of students on a sports team
9 th	Girls	79
	Boys	81
10 th	Girls	76
	Boys	74
11 th	Girls	63
	Boys	68
12 th	Girls	54
	Boys	52

13

Mr. Sosa's students asked all the students in the school, "Do you play on a school sports team?" The class recorded how many students answered yes.

What information did the students collect to answer their question?

- The total number of students who play sports
- The total number of students of each gender
- The total number of students in each grade

14

Mr. Sosa's class asked students in different grades to respond to their survey questions. For each grade, they counted the number of girls and the number of boys who answered "yes" to the research question and wrote down these numbers separately. When they made the table, they listed each grade and then the number of girls and boys who are on a sports team in that grade.

How did the students group the results of their survey?

- By gender and then by grade
- By grade and then by gender
- By sport and then by gender
- By grade and then by sport

15

Mr. Sosa showed his students the results of a similar survey given many years ago, in 1966. Like the data from this year, the table below shows that as grade level goes up, fewer students play on sports teams. This year, the number of girls and boys who play sports in each grade is about equal. However, in 1966, far more boys than girls in each grade played on a sports team. Mr. Sosa explained that this difference is probably because in the 1970s, new laws required schools to give boys and girls equal opportunities to play sports.

Students on Sports Teams in 1966

Grade	Gender	Number of students on a sports team
9 th	Girls	42
	Boys	85
10 th	Girls	38
	Boys	79
11 th	Girls	33
	Boys	68
12 th	Girls	30
	Boys	65

What do the survey data collected in 1966 and this year have in common?

- Both showed that about the same number of boys and girls play sports.
- Both showed that fewer girls play sports in 9th grade than in 12th grade.
- Both showed that as grade level goes up, fewer students play sports.
- Both showed that more boys play sports in all grade levels.