

Answer on question 39535 – Math – Abstract Algebra

Sophia asked the students in her class to name their favorite sport. She made this list to display the results, 1/3 of the students names basketball, 1/8 of the students named soccer, 5/12 of the students named football. The rest of the students in te class named baseball. What fraction of the students in the class named baseball as their favorite sport?

Solution

The part of the students in the class named baseball is

$$1 - \frac{1}{3} - \frac{1}{8} - \frac{5}{12} = \frac{24 - 8 - 3 - 10}{24} = \frac{11}{24}.$$

Answer: 11/24.