



Problem of the Week

Problem D

Sports Day

There were 500 students at a sports day camp. For the morning session, each student could choose between soccer or basketball. For the afternoon session, each student could choose between hockey or frisbee. Each student had to choose exactly one sport per session.

The following information is known about the sessions:

- 32% of the students chose basketball,
- $\frac{1}{5}$ of the students who chose hockey also chose basketball, and
- of the students who chose basketball, 50 more chose frisbee than hockey.

Determine the percentage of students who choose both soccer and frisbee.

