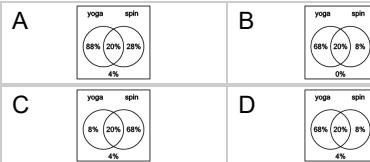


## Probability Union, Intersection, Complement - Word Problem Percents to Venn Diagram

1

In a survey of gym members, 88% take yoga, 28% take spin, and 4% are in neither group.

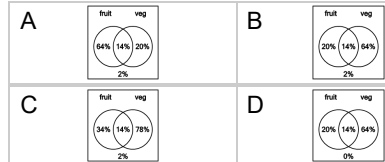
Which Venn diagram correctly shows the percentage of gym members in each region?



2

In a survey of shoppers, 34% bought fruit, 78% bought vegetables, and 2% are in neither group.

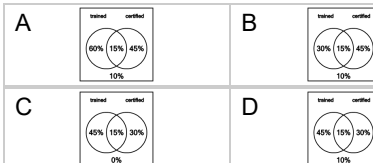
Which Venn diagram correctly shows the percentage of shoppers in each region?



3

In a survey of employees, 60% completed training, 45% hold a certification, and 10% are in neither group.

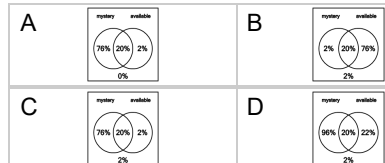
Which Venn diagram correctly shows the percentage of employees in each region?



4

In a survey of library books, 96% are mysteries, 22% are available, and 20% are both.

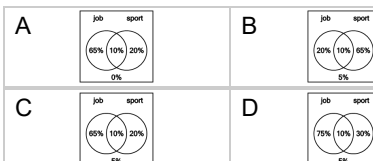
Which Venn diagram correctly shows the percentage of library books in each region?



5

In a survey of students, 75% have a part-time job, 30% play a school sport, and 5% are in neither group.

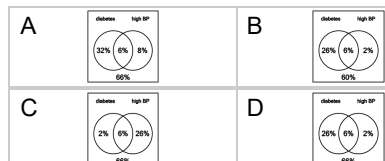
Which Venn diagram correctly shows the percentage of students in each region?



6

In a survey of patients, 32% have diabetes, 8% have high blood pressure, and 6% have both.

Which Venn diagram correctly shows the percentage of patients in each region?



7

In a survey of students, 52% are in the art group but not the comp sci group, 24% are in the comp sci group but not the art group, and 16% are in neither group.

Which Venn diagram correctly shows the percentage of students in each region?



8

In a survey of library books, 23% are in the mystery group but not the available group, 26% are in the available group but not the mystery group, and 26% are in neither group.

Which Venn diagram correctly shows the percentage of library books in each region?

