

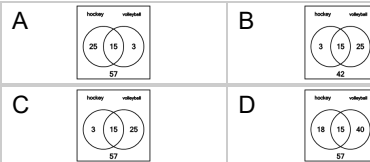


Probability Union, Intersection, Complement - Word Problem Counts and Percents to Venn Diagram

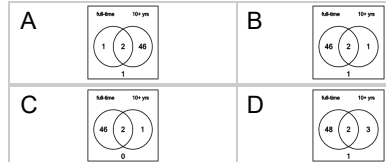
1

In a group of 100 students, 15% play both, 3% are in the hockey group but not the volleyball group, and 25 are in the volleyball group but not the hockey group.

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



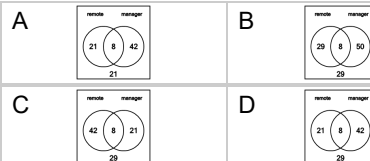
Which Venn diagram correctly shows the number of employees in each region?



3

In a group of 100 employees, 21 are in the remote group but not the manager group, 42% are in the manager group but not the remote group, and 29% are in neither group.

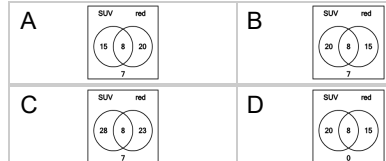
Which Venn diagram correctly shows the number of employees in each region?



4

In a group of 50 vehicles, 56% are SUVs, 16% are both, and 7 are in neither group.

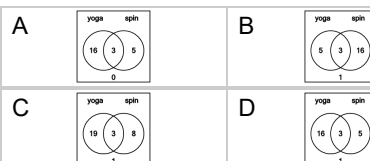
Which Venn diagram correctly shows the number of vehicles in each region?



5

In a group of 25 gym members, 76% take yoga, 32% take spin, and 1 are in neither group.

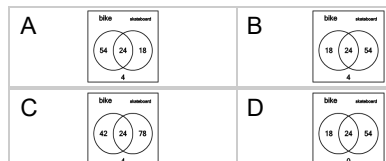
Which Venn diagram correctly shows the number of gym members in each region?



6

In a group of 100 students, 42 ride a bicycle, 24 ride both, and 54% are in the skateboard group but not the bike group.

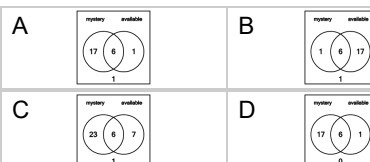
Which Venn diagram correctly shows the number of students in each region?



7

In a group of 25 library books, 23 are mysteries, 7 are available, and 4% are in neither group.

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



8

In a group of 20 gym members, 25% take yoga, 2 take both, and 9 are in neither group.

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

