Do Now

Please work silently on the Do Now. Thank you!

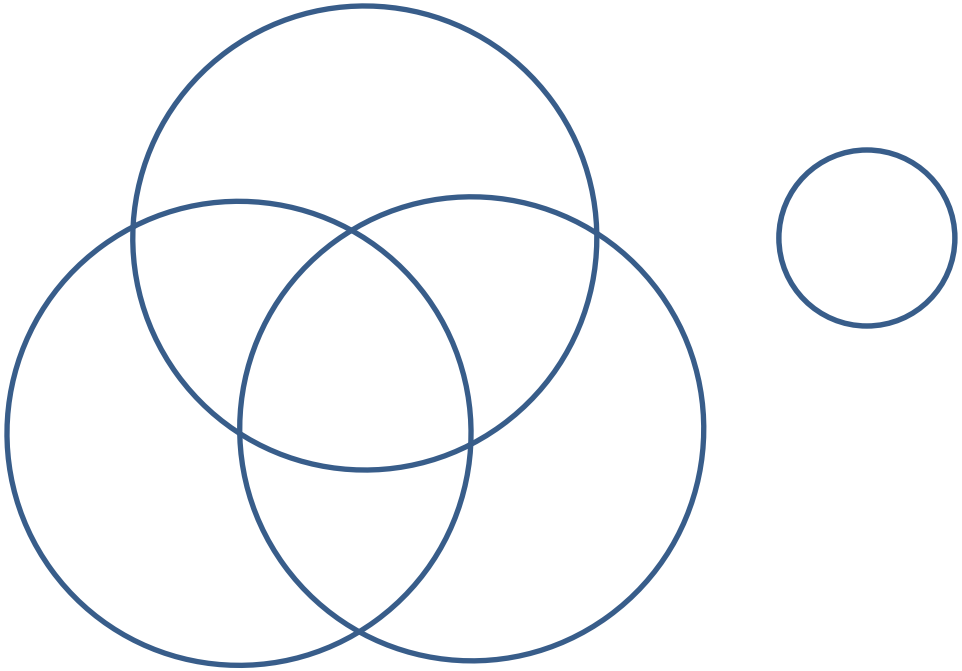
A class of 28 students was polled about the types of pets they have. Three students in the class have neither a bird nor a guinea pig. Fifteen students in the class own guinea pigs. Of those students, three of them also own birds.

How many students have only a bird as a pet?

Do Now

People who understand Venn diagrams

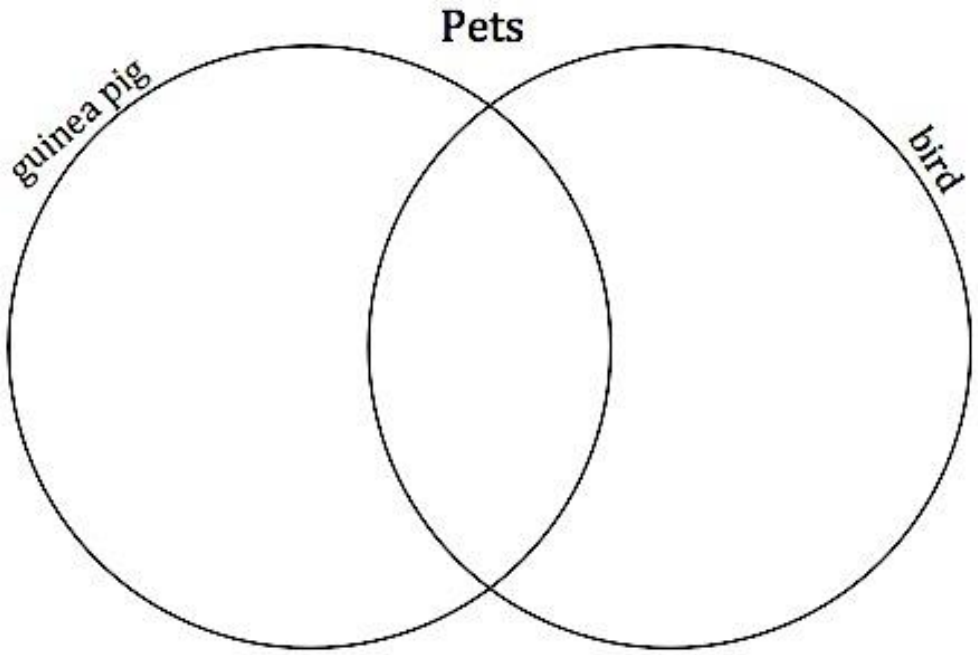
People who don't understand Venn diagrams



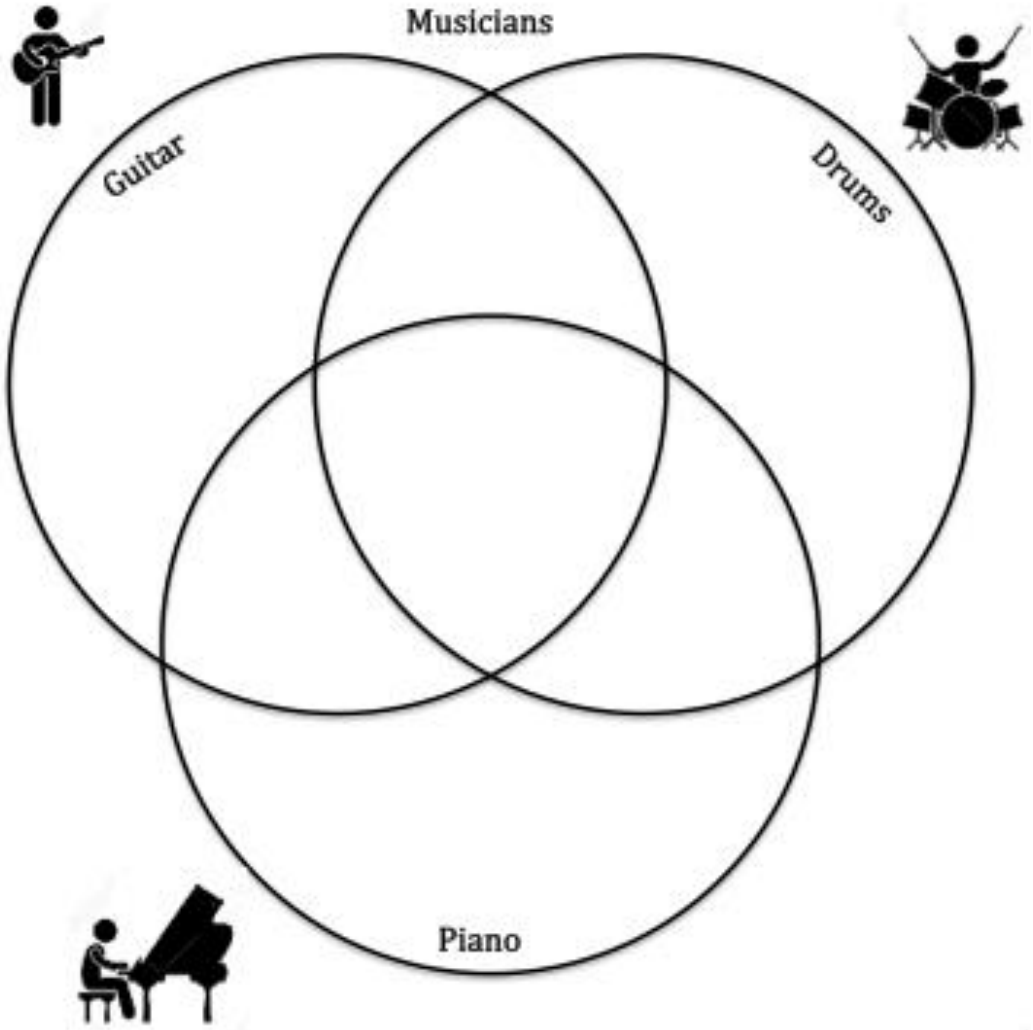
Do Now

A class of 28 students was polled about the types of pets they have. Three students in the class have neither a bird nor a guinea pig. Fifteen students in the class own guinea pigs. Of those students, three of them also own birds.

How many students have only a bird as a pet?



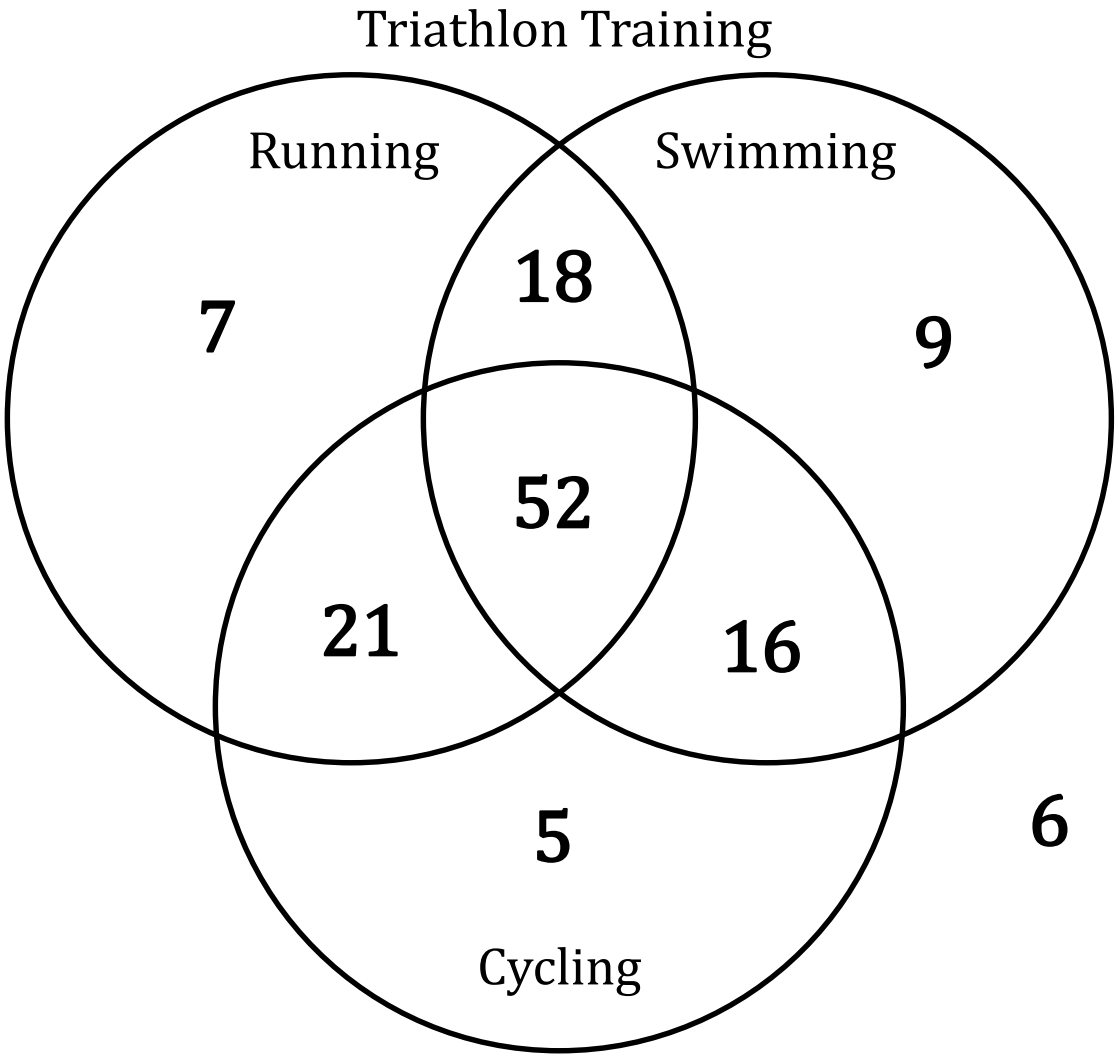
- In a group of musicians, 12 can play only the guitar.
- Five musicians can play the guitar, drums, and piano.
- Three musicians can play both the guitar and piano but do not know how to play the drums.
- A total of 18 musicians play the piano – of those, 10 play more than one instrument.
- The number of musicians that play only the piano is the same as the number of musicians that play only the drums.
- Four musicians play both the drums and guitar, but not the piano.



How many musicians are there in the group?

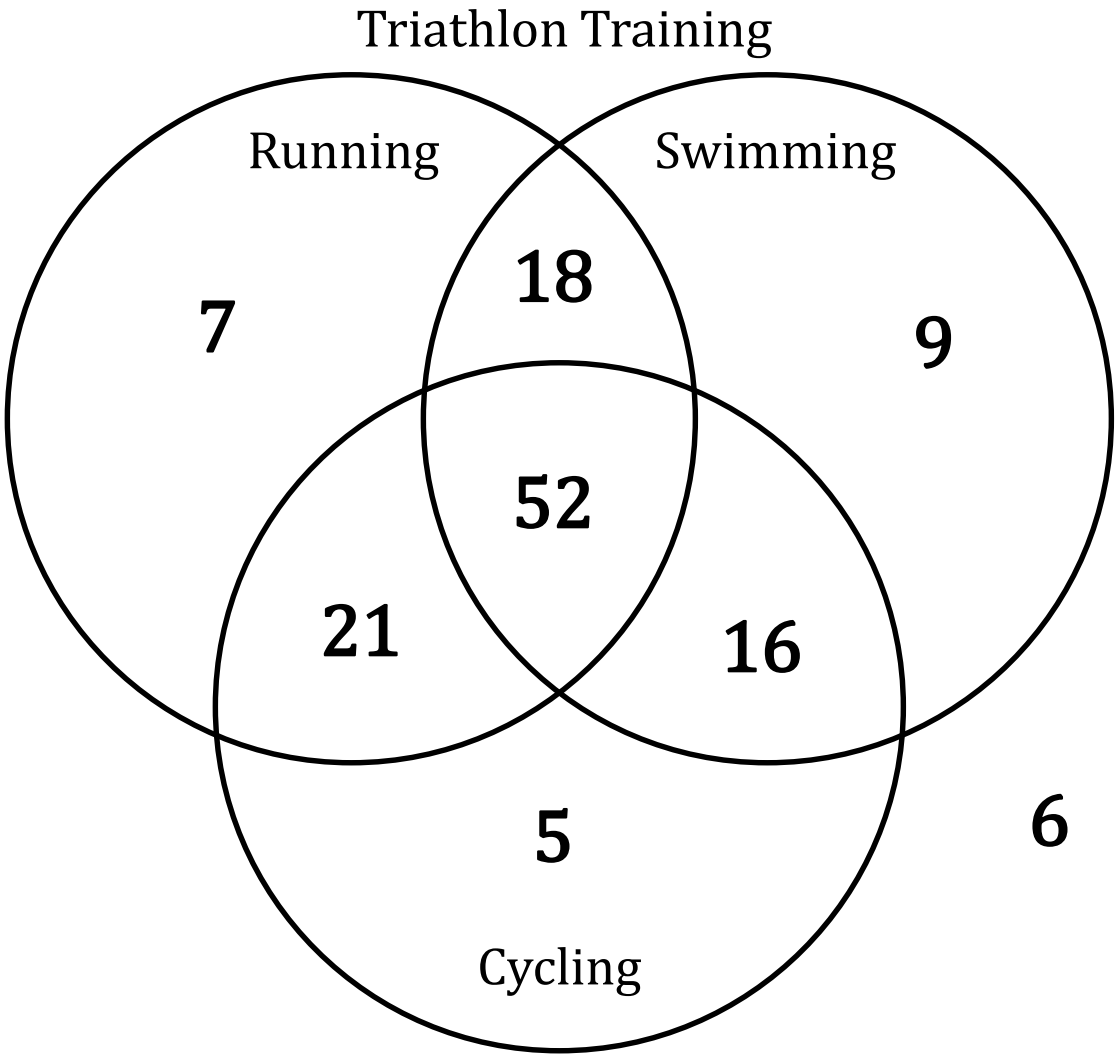
There are 75 students in the Yo-Yo and Rubik's cube club. 33 are practicing yo-yo tricks, 45 are working on Rubik's cube solutions, while 9 students just like to hang out and eat lunch outside and are not working on yo-yo tricks or cube solutions. How many members of the club are practicing yo-yo tricks, but not Rubik's cube solutions?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



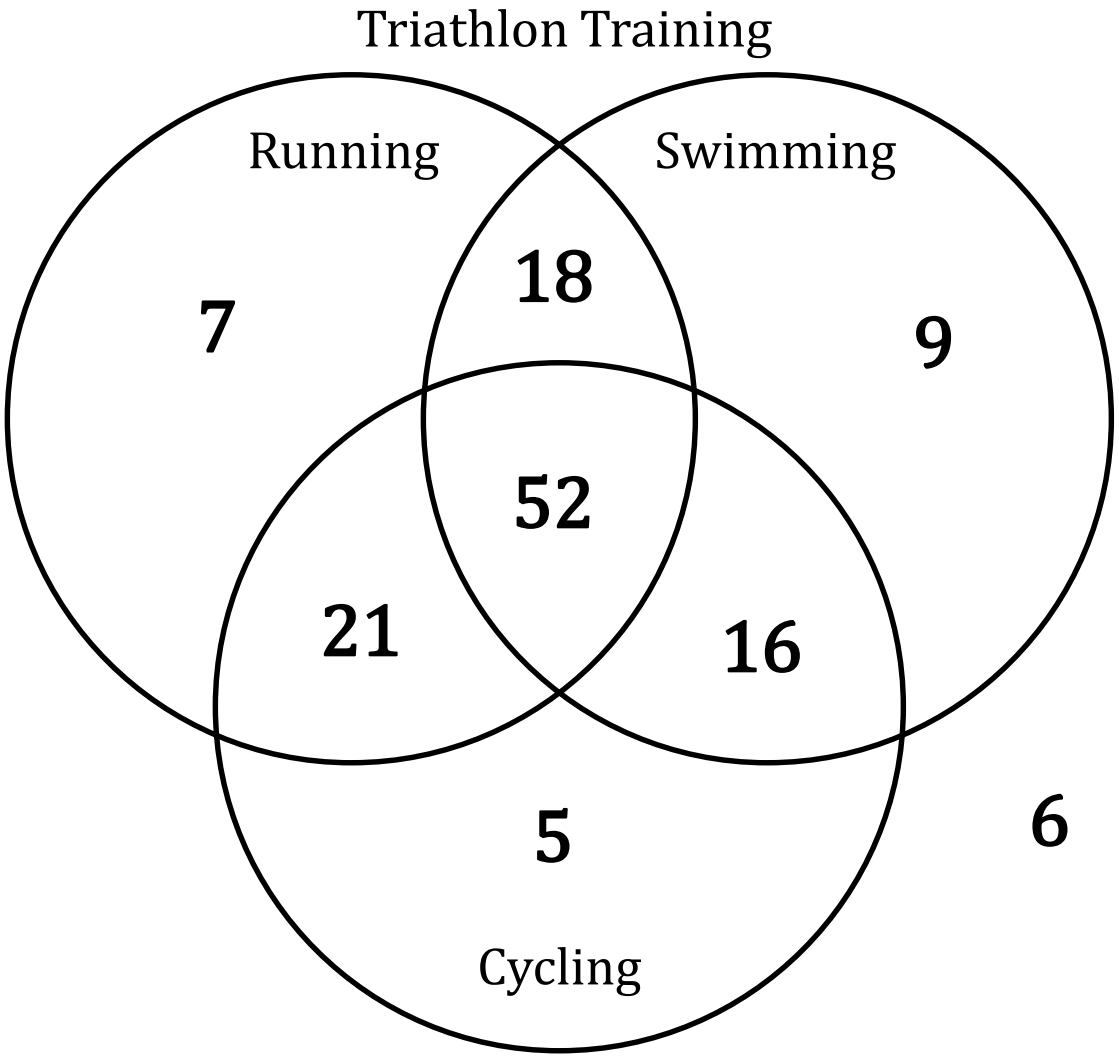
How many members went cycling?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



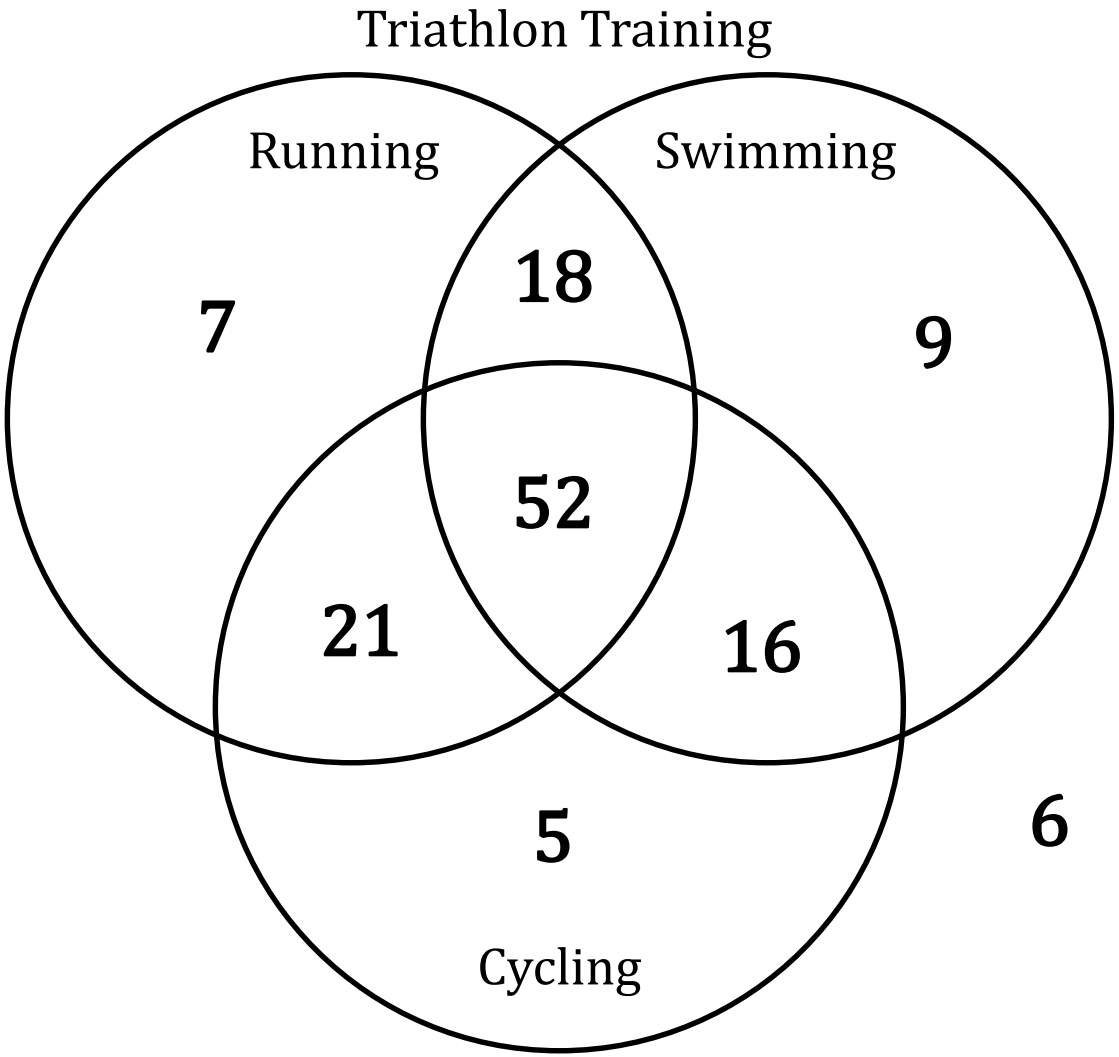
How many members went swimming?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



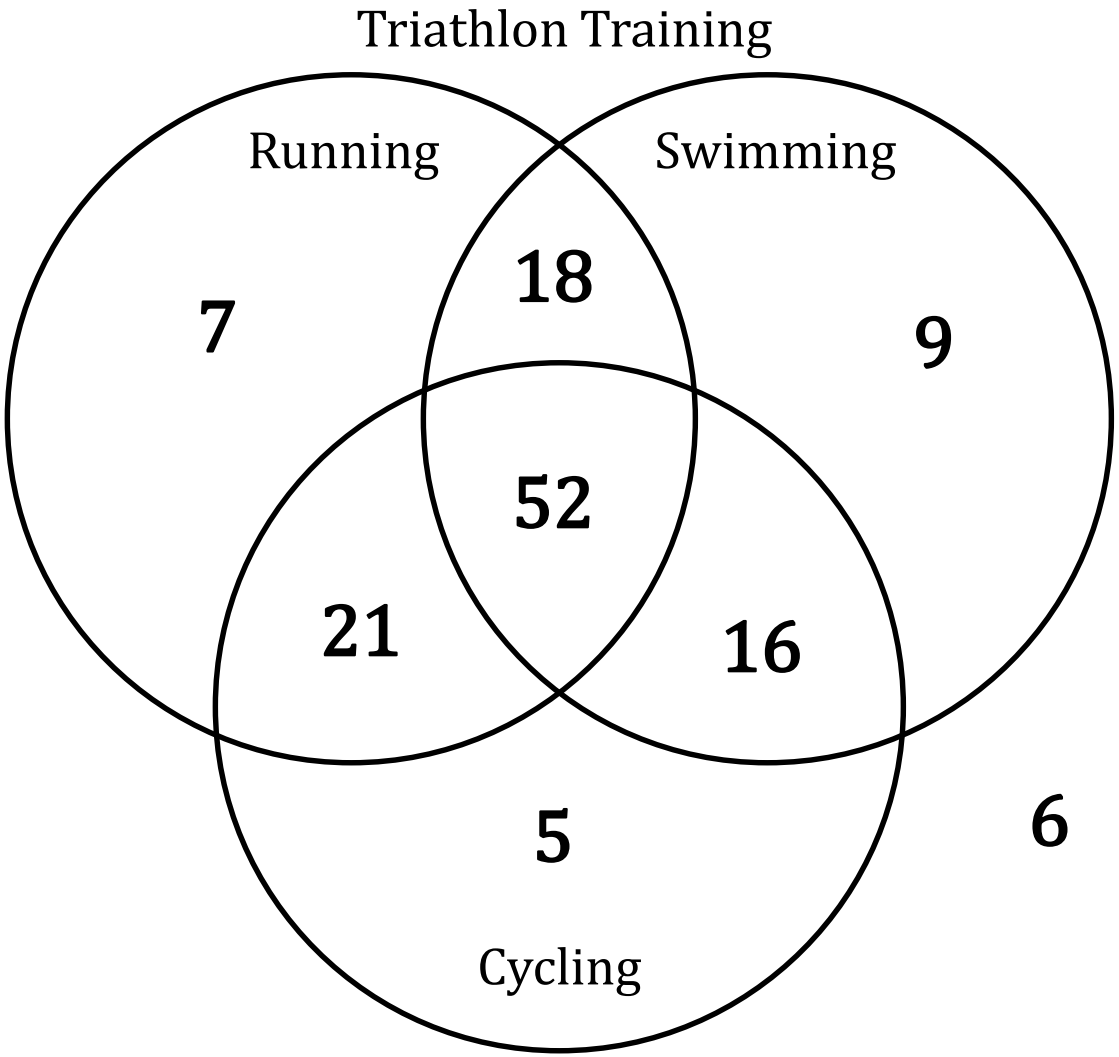
How many members participated in all 3 sports?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



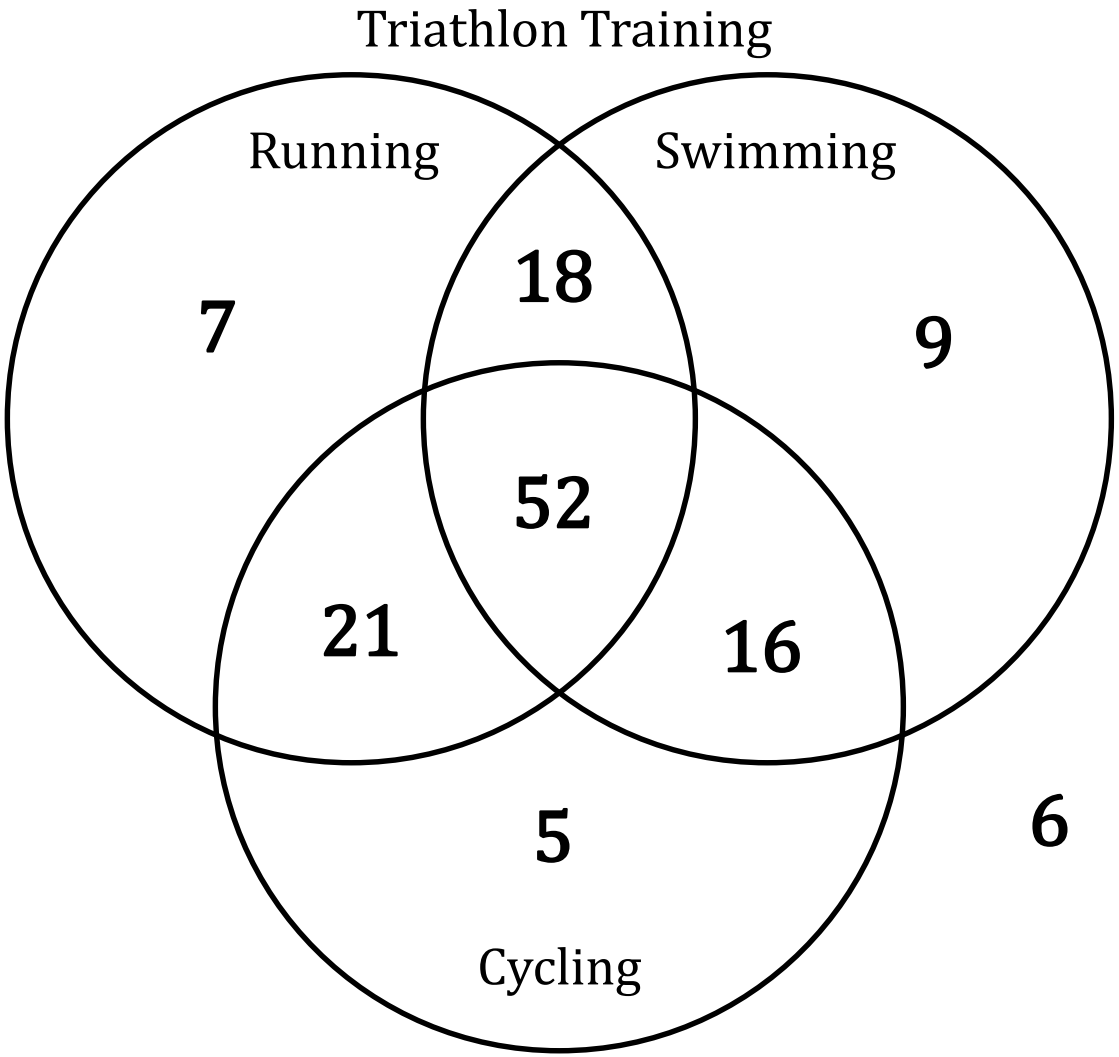
How many members went running only?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



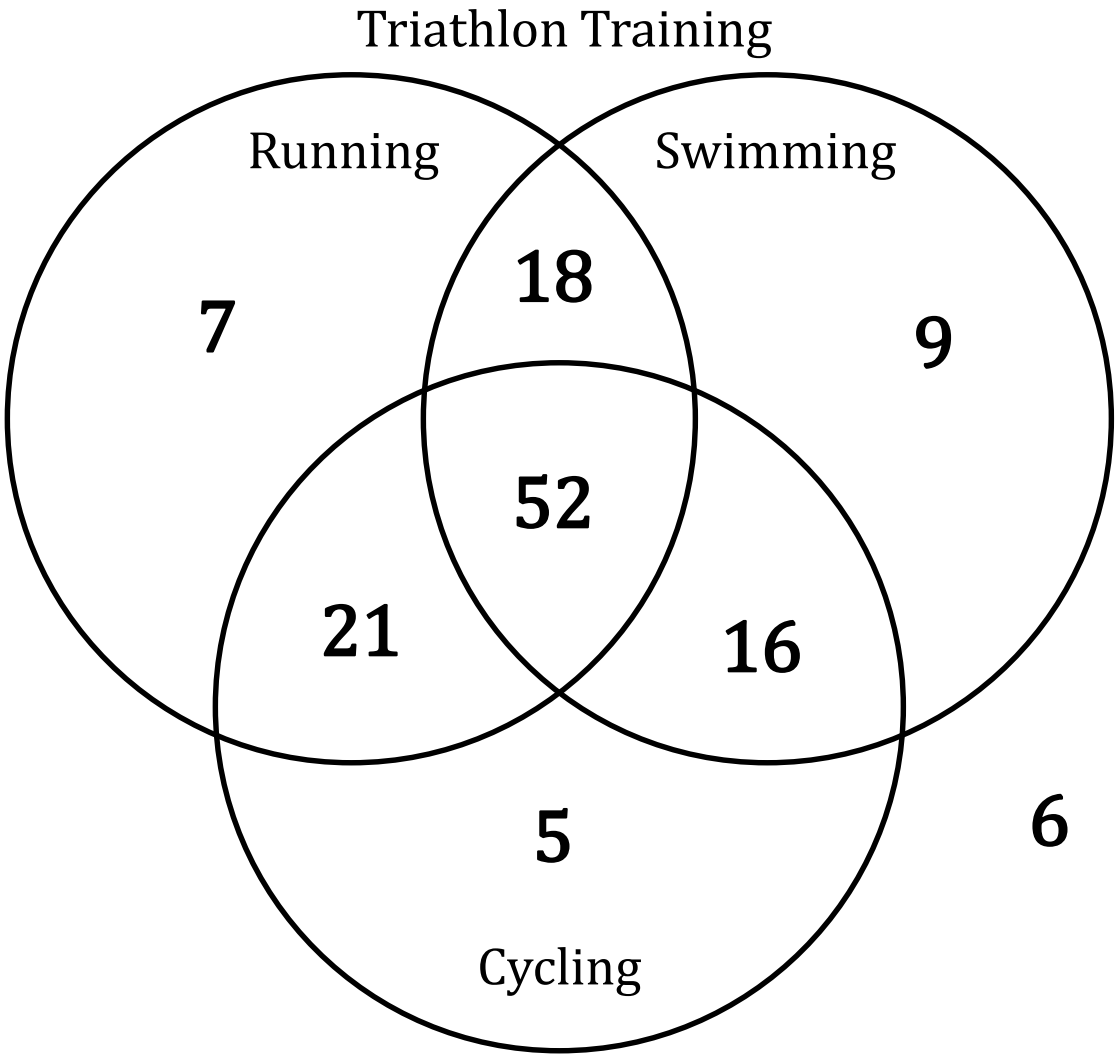
How many members went swimming only?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



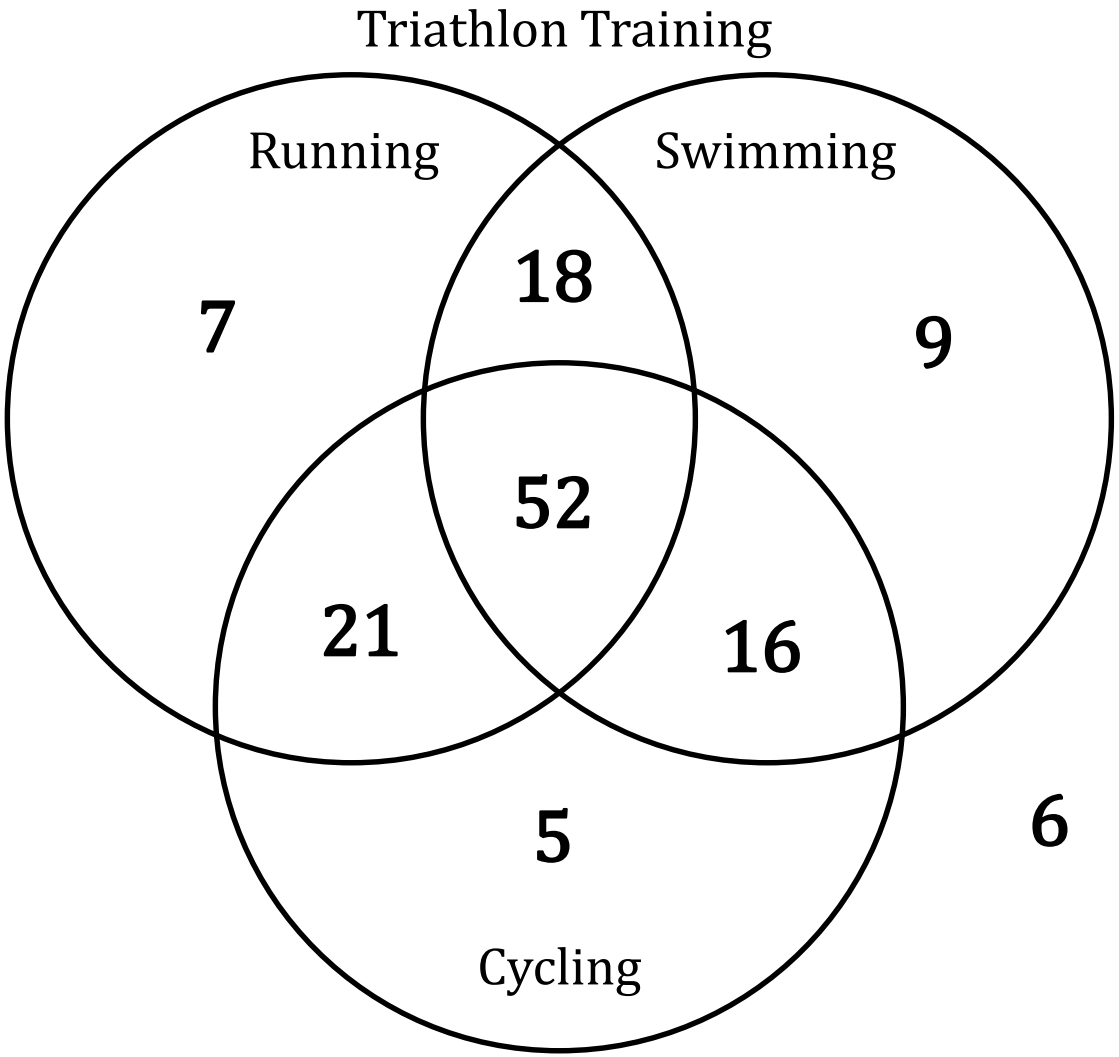
How many members did not participate at all?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



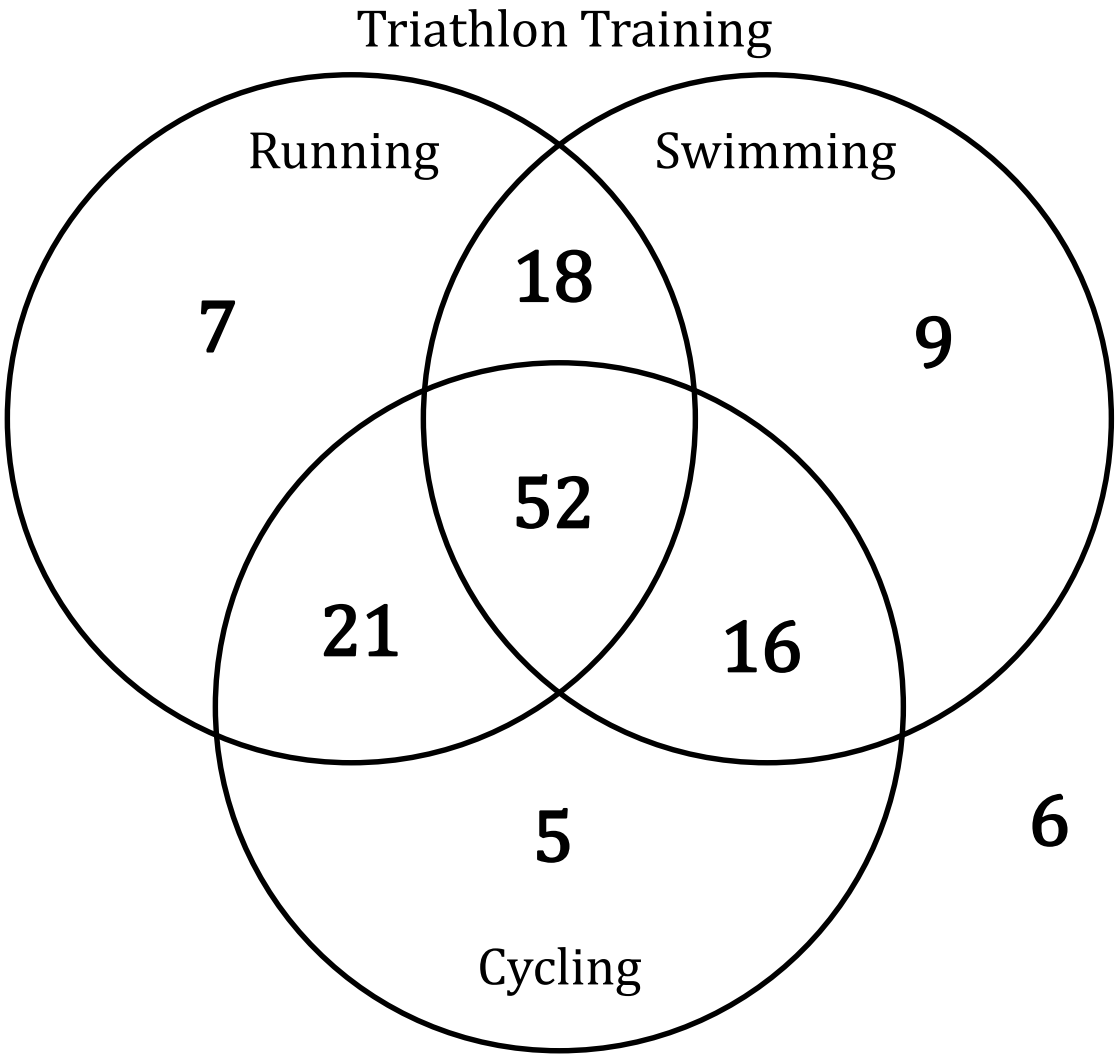
How many members went running and cycling but not swimming?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



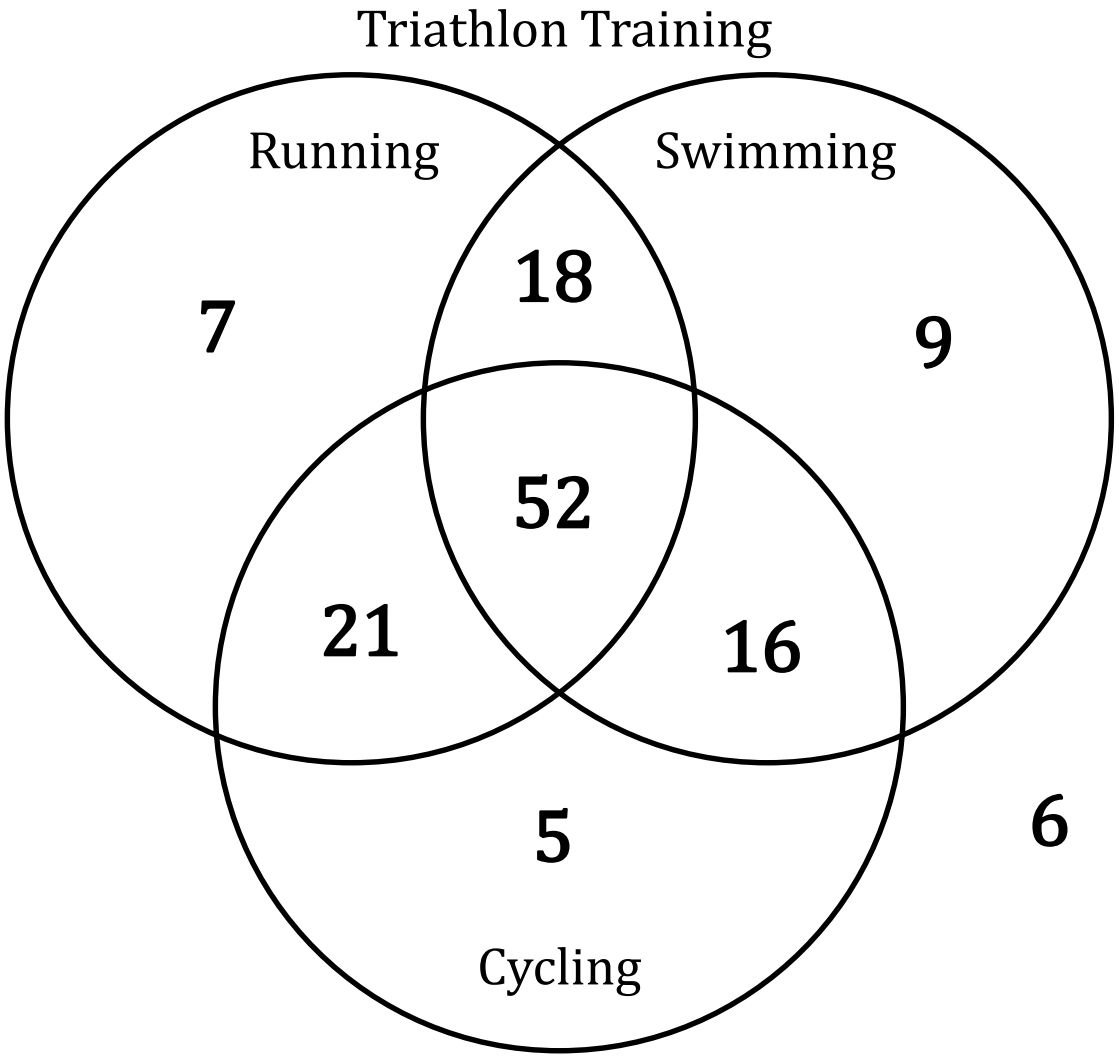
How many members went running and swimming but not cycling?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



How many members went swimming or cycling but not running?

The Venn diagram below shows how many members of a triathlon training club participated in various forms of exercise last week.



How many members are in the triathlon training club?

Of all the students at CSN, 80% have a pet and 40% play a sport. However, 10% of all the students at CSN neither own a pet nor play a sport. What percent of all students at CSN both own a pet and play a sport?