

## Five Minute Mystery



### **The Case of the Two Classes**

The Head First Health Club prides itself on its ability to find a class for everyone. As a result, it is extremely popular with both young and old.

The Health Club is wondering how best to market its new yoga class, and the Head of Marketing wonders if someone who goes swimming is more likely to go to a yoga class. “Maybe we could offer some sort of discount to the swimmers to get them to try out yoga.”

The CEO disagrees. “I think you’re wrong,” he says. “I think that people who go swimming and people who go to yoga are independent. I don’t think people who go swimming are any more likely to do yoga than anyone else.”

They ask a group of 96 people whether they go to the swimming or yoga classes. Out of these 96 people, 32 go to yoga and 72 go swimming. 24 people are exceptionally eager and go to both.

***So who’s right? Are the yoga and swimming classes dependent or independent?***