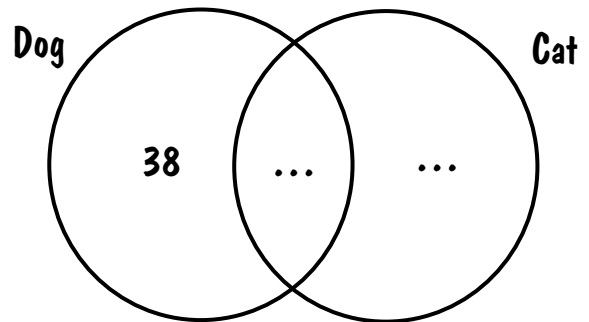


# Starting Six

The probability of a seed flowering is 0.86  
How many seeds would we expect to flower  
from a pack of 700 seeds?

94 people were asked if they had a cat or dog.  
49 people have a dog. 18 people had neither.  
What is the probability they only have a cat?



The probability of winning on a game of  
hoopla is  $\frac{5}{13}$

Fred plays the game twice.

a) Work out the probability of her losing  
exactly one game.

Beth plays two tennis matches, the probability  
of a loss is 0.3

a) Work out the probability of winning both

b) Work out the probability of losing at least  
one game.

A and B are two sets of traffic lights.  
The probability of stopping at light A is 0.6  
If stopped by light A, the probability of not  
stopping at lights B is 0.9  
If not stopped by lights A, the probability of  
not stopping at lights B is 0.2

a) John was stopped by one set of lights. Is it  
more likely to be stopped by light A or light  
B?

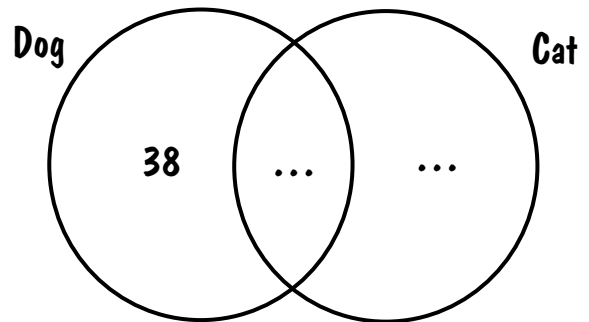
John spins a biased coin twice. The  
probability that it will land on heads both  
times is 0.36

a) Calculate the probability that it will land  
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