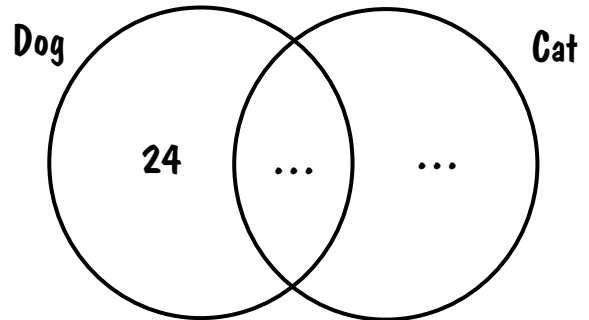


Starting Six

The probability of a seed flowering is 0.87
How many seeds would we expect to flower from a pack of 500 seeds?

84 people were asked if they had a cat or dog.
37 people have a dog. 11 people had neither.
What is the probability they only have a cat?



The probability of winning on a game of
hoopla is $\frac{2}{9}$

Fred plays the game twice.

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

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

a) Work out the probability of losing both

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

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

a) Draw a suitable tree diagram

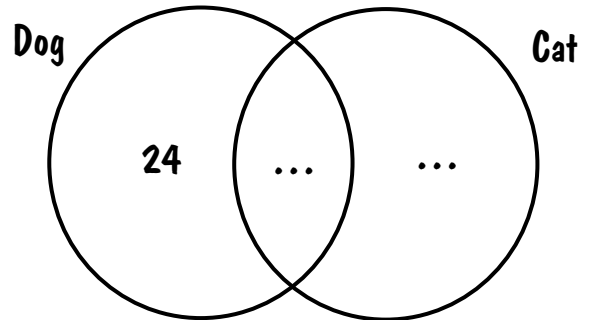
John spins a biased coin twice. The probability that it will land on tails both times is 0.49

a) Calculate the probability that it will land on heads both times.

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