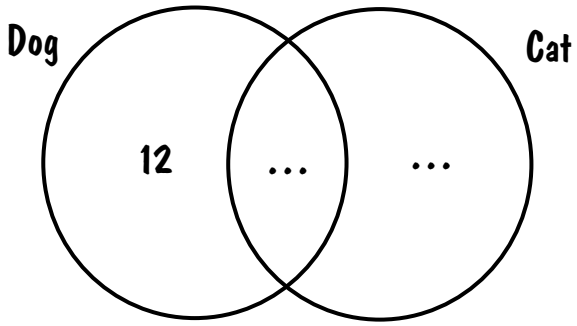
Starting Six

ACCESS MATHS

The probability of a seed flowering is 0.36
How many seeds would we expect to flower from a pack of 400 seeds?

45 people were asked if they had a cat or dog.
19 people have a dog. 5 people had neither.
What is the probability they only have a cat?



The probability of winning on a game of coconut shy is $\frac{3}{7}$

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 0.8

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 0.3
If stopped by light A, the probability of not stopping at lights B is 0.6
If not stopped by lights A, the probability of not stopping at lights B is 0.7

a) Draw a suitable tree diagram

John spins a biased coin twice. The probability that it will land on tails both times is 0.25

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

Score ____ / 6

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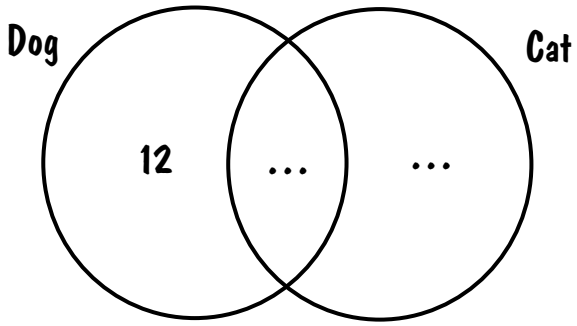

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