**Probability questions ☺**

**1**. There are 20 counters in a box. Nine are yellow, 4 are black and 7 are green.

What's the probability that a counter which is taken from the box without looking will be green?

7/20 9/20 4/20

**2**. What’s the probability that a counter taken from the box without looking will be yellow or black?

7/20 36/400 13/20

**3**. What’s the probability that a counter taken from the box without looking will be blue?

0 Infinity 1

**4**. What’s the probability that a counter taken from the box without looking will **not** be black or green?

7/20 9/20 1/4

**5**. Two 6-sided dice are each marked 1, 1, 2, 2, 3, 3. Jot down all the possible pairs of numbers that you can get when the two dice are thrown. The pairs of numbers are added together to get a score. As the dice are only marked from 1-3, there's maximum score of 6.

What's the probability of getting a score of 3?

2/9 1/18 1/9

**6**. What’s the most likely score?

3 4 5

**7**. What’s the probability of getting a score of 6?

1/36 1/9 2/9

**8**. Melanie has been recording how many times a drawing pin landed point-up after being thrown in the air. She threw the pin 50 times and found it landed point-up 9 times. What's the probability of it landing point-up in the next throw?

9/50 1/2 1/50

**9**. What’s the probability it doesn't land point-up after the next throw?

49/50 1/2 41/50

**10**. The next day she throws the drawing pin in the air 200 times. Using her figures from the previous day, roughly how many times could she expect the drawing pin to land point-up?

45 27 36