Probability

1 From a pack of 52 pla	aying cards what	is the probabili	ty of picking:	
(i) a Jack =	(ii) a club =			
(iii) a King or a Queen :	(iv) not a picture card =			
2 The probability that a he does not win the cor		petition is 0.05.	What is the pr	obability that
3 A child rolls a dice 24	0 times. How ma	any times would	you expect th	e child to:
(i) roll an odd number?= (ii) rol		a five?= (iii) roll a 1 or 2=		
4 The table below show	vs the probability	of a flower being	ng a certain co	olour.
Colour Red	Blue	White	Yellow	Purple
Probability 0.1	0.15	0.25	0.3	0.2
(iv) If 200 seeds are place. 5 The probability of a baby will not be a boy? 6 The probability that F second is 10/38 Calculaterace.	aby being born a	a boy is 0.51. We is $^{1}/_{4}$. The proba	hat is the probability that Pete	er finishes
7 The probability of a baby will be a girl.	aby being born a	a boy is 0.51. Ca	alculate the pr	obability that a
8 The spinner below is Red Red Blue Pellow How many times would (i) blue = (ii)	you expect the	spinner to land		
(i) blue = (ii)	yellow =	(iii) red		

9 A boy takes a penalty 40 times against a goalkeeper. He scores 16 times.(i) What is the relative frequency of him scoring a penalty?
(ii) If the boy took 200 penalties how many times would you expect him to score?
10 A ladies' cat goes out everyday. In one month (30 days) her cat is involved in a fight with another cat on 4 occasions. (i) What is the relative frequency of the ladies' cat getting involved in a fight?
(ii) How many fights is the cat likely to get involved in during a period of 3 months (90 days)?
 11 During a term a pupil goes to school on the bus for 75 days. The bus was late on 12 occasions. (i) What is the relative frequency of the bus being late? (ii) On how many occasions is the bus likely to be late in a whole school year (200 days)?
12. The probability of at least one person in a group of 50 having a birthday next month is [?].
13. A tetrahedral (4-sided) die is thrown. What is the probability of getting a 4?
14. A tetrahedral (4-sided) die is thrown. What is the probability of getting an even number?
15. A letter is chosen at random from the word PROBABILITY. What is the probability that it's the letter Q?
16. A letter is chosen at random from the word PROBABILITY. What is the probability that it's the letter B or I? 17. Mary tosses two coin. What is the probability of getting two heads?
18. Alice tosses a coin 100 times. How many times would you expect her to get a head?
19. Jennie is playing a dice game. The probability that Jennie wins is worked out to be 4/7. What is the probability that Jennie does not win?
20 The probability that a boy wins a competition is 0.15. What is the probability that he does not win the competition?
21 A bag contains 5 green counters, 4 red counters and 3 blue counters. One counter is selected at random.(i) What is the probability of selecting a green counter?
(ii) What is the probability of not selecting a blue counter?
(iii) What is the probability of not selecting a green or blue counter?