Theoretical Probability with Playing Cards			
(a)	(b)	(c)	(d)
A playing card is chosen at random. What is the probability that it is a red card?	A playing card is chosen at random. What is the probability that it is a king (K)?	A playing card is chosen at random. What is the probability that it is the ace (A) of hearts?	A playing card is chosen at random. What is the probability that it is a spade card?
$\frac{26}{52} = \frac{1}{2}$	$\frac{4}{52} = \frac{1}{13}$	1 52	$\frac{13}{52} = \frac{1}{4}$
(e)	(f)	(g)	(h)
A playing card is chosen at random. What is the probability that it is not a diamond card?	A playing card is chosen at random. What is the probability that it is a 2, 3 or 4?	A playing card is chosen at random. What is the probability that it is a queen (Q) or a king (K)?	A playing card is chosen at random. What is the probability that it is a red card with a prime number on it?
$\frac{39}{52} = \frac{3}{4}$	$\frac{12}{52} = \frac{3}{13}$	$\frac{8}{52} = \frac{2}{13}$	$\frac{8}{52} = \frac{2}{13}$
(i)	(j) (k)		
A playing card is chosen at random. What is the probability that it is a red non-picture card?	then replaces it in the deck. He repeats this 520 then replace times. How many times would Bruce expect to times. How		a card at random, looks at it and in the deck. She repeats this 260 any times would Nadia expect to jack (J) or red queen (Q)?
$\frac{20}{52} = \frac{5}{13}$	40		20