Theoretical Probability with Dice			
(a)	(b)	(c)	(d)
A fair, six-sided dice numbered 1 to 6 is rolled once. What is the probability of the dice landing on a $5$ ? $\frac{1}{6}$	A fair four-sided dice numbered $1$ to $4$ is rolled once. What is the probability of the dice landing on a $3$ ? $\frac{1}{4}$	A fair ten-sided dice numbered 1 to 10 is rolled once. What is the probability of the dice landing on a 7? $\frac{1}{10}$	A fair ten-sided dice numbered 1 to 10 is rolled once. What is the probability of the dice landing on a 5 or 6? $\frac{2}{10} = \frac{1}{5}$
(e)	(f)	(g)	(h)
A fair, six-sided dice numbered 1 to 6 is rolled once. What is the probability of the dice landing on an odd number? $\frac{3}{6} = \frac{1}{2}$	A fair four-sided dice numbered 1 to 4 is rolled once. What is the probability of rolling a number less than 3? $\frac{2}{4} = \frac{1}{2}$	A fair ten-sided dice numbered 1 to 10 is rolled once. What is the probability of rolling a number less than 7? $\frac{6}{10} = \frac{3}{5}$	A fair, six-sided dice numbered 1 to 6 is rolled once. What is the probability of rolling a number that is not six?  5 6
(i)	(j)	(k)	(1)
A fair, six-sided dice numbered 1 to 6 is rolled once. What is the probability of the dice landing on a prime number? $\frac{3}{6} = \frac{1}{2}$	A fair four-sided dice numbered 3, 4, 5 and 6 is rolled once. What is the probability of the dice landing on a multiple of 3? $\frac{2}{4} = \frac{1}{2}$	A fair six-sided dice numbered 1, 1, 1, 2, 2 and 3 is rolled once. What is the probability of rolling a 1? $\frac{3}{6} = \frac{1}{2}$	A fair six-sided dice numbered 1, 1, 1, 2, 2 and 3 is rolled once. What is the probability of rolling a number that is not a 2? $\frac{4}{6} = \frac{2}{3}$
(m)	(n)	(0)	(p)
A fair ten-sided dice numbered 1 to 10 is rolled once. What is the probability of rolling a square number? $\frac{3}{10}$	A fair ten-sided dice numbered 1 to 10 is rolled once. What is the probability of rolling a number that is a factor of 12? $\frac{5}{10} = \frac{1}{2}$	The probability of rolling a 6 on a biased dice is 0.3. What is the probability of not rolling a 6?  0.7	If a fair six-sided dice is rolled 60 times, how many times would you expect it to land on a 3?