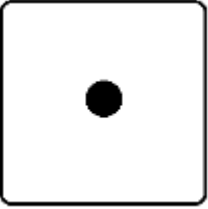







Expected Value Of A 6-Sided Die Roll

<u>Visual</u> (Die Face)	<u>Value</u> X	<u>Probability</u> P(X)	<u>Product</u> X*P(X)
	1	1/6	$1 * 1/6$ $= 1/6$
	2	1/6	$2 * 1/6$ $= 2/6$
	3	1/6	$3 * 1/6$ $= 3/6$
	4	1/6	$4 * 1/6$ $= 4/6$
	5	1/6	$5 * 1/6$ $= 5/6$
	6	1/6	$6 * 1/6$ $= 6/6$

Expected Value (sum of last column)

$$= 1/6 + 2/6 + 3/6 + 4/6 + 5/6 + 6/6$$

$$= 21/6 \text{ OR } 3.5$$

<https://jdmeducational.com/>