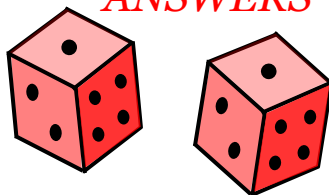


# Dice Probability (A)



## ANSWERS



### Section A

1) How many **faces** are there on a normal dice ?

2) What are the possible **scores** on a normal dice ?

### Section B

A fair dice is rolled. Work out the following probabilities as simplified fractions.

Work out:	Answer
P(1)	$\frac{1}{6}$
P(3)	$\frac{1}{6}$
P(5)	$\frac{1}{6}$
P(6)	$\frac{1}{6}$
P(8)	$\frac{0}{6}$

Work out:	Answer
P(1 or 2)	$\frac{1}{3}$
P(3 or 5)	$\frac{1}{3}$
P(4, 5 or 6)	$\frac{1}{2}$
P(1, 2, 3 or 4)	$\frac{2}{3}$
P(not a 6)	$\frac{5}{6}$

Work out:	Answer
P(odd)	$\frac{1}{2}$
P(multiple of 2)	$\frac{1}{2}$
P(multiple of 3)	$\frac{1}{3}$
P(greater than 1)	$\frac{5}{6}$
P(less than 3)	$\frac{1}{3}$

Work out:	Answer
P(factor of 12)	$\frac{2}{3}$
P(factor of 20)	$\frac{2}{3}$
P(factor of 36 $\geq$ 3)	$\frac{1}{2}$
P(prime number)	$\frac{1}{2}$
P(square number)	$\frac{1}{3}$

### Section C

A fair dice is rolled. Put the following events on the probability scale.

A. a score of 3

D. an odd prime number

B. not a score of 4

E. a triangle number

C. a score  $\leq$  6

F. not a square number

