



# Probability Sample Space - Definition to Favourable Outcomes Count

1

How many favourable outcomes are there?

Two fair six-sided dice are rolled. A favourable outcome is one where the total is exactly 7.

A	7	B	30
C	36	D	6

2

How many favourable outcomes are there?

A fair coin is flipped and a fair six-sided die is rolled. A favourable outcome is one where the die shows a 1.

A	10	B	12
C	2	D	3

3

How many favourable outcomes are there?

Two fair six-sided dice are rolled. A favourable outcome is one where the total is exactly 9.

A	5	B	36
C	32	D	4

4

How many favourable outcomes are there?

Two fair six-sided dice are rolled. A favourable outcome is one where the total is more than 9.

A	30	B	36
C	6	D	7

5

How many favourable outcomes are there?

A fair coin is flipped and a spinner with red, green, and blue sections is spun. A favourable outcome is one where the spinner shows red.

A	6	B	4
C	3	D	2

6

How many favourable outcomes are there?

Three fair coins are flipped. A favourable outcome is one where there is exactly one head.

A	5	B	4
C	3	D	8

7

How many favourable outcomes are there?

A spinner with three equal-sized sections coloured red, green, and blue is spun three times. A favourable outcome is one where there is at least one blue.

A	27	B	20
C	19	D	8

8

How many favourable outcomes are there?

A spinner with three equal-sized sections coloured red, green, and blue is spun twice. A favourable outcome is one where there is at least one red.

A	6	B	9
C	5	D	4