



# Probability Sample Space - Definition to Sample Space Count

**1** How many possible outcomes are in the sample space?

A fair six-sided die is rolled and a spinner with red, green, and blue sections is spun.

A	9	B	12
C	24	D	18

**2** How many possible outcomes are in the sample space?

A fair coin is flipped and a spinner with red, green, and blue sections is spun.

A	6	B	4
C	8	D	5

**3** How many possible outcomes are in the sample space?

Three fair coins are flipped.

A	10	B	8
C	7	D	6

**4** How many possible outcomes are in the sample space?

Three fair six-sided dice are rolled.

A	216	B	210
C	222	D	18

**5** How many possible outcomes are in the sample space?

Two fair coins are flipped.

A	6	B	3
C	2	D	4

**6** How many possible outcomes are in the sample space?

A spinner with three equal-sized sections coloured red, green, and blue is spun twice.

A	8	B	12
C	9	D	6

**7** How many possible outcomes are in the sample space?

Two fair six-sided dice are rolled.

A	42	B	36
C	12	D	30

**8** How many possible outcomes are in the sample space?

A fair coin is flipped and a fair six-sided die is rolled.

A	10	B	12
C	8	D	4