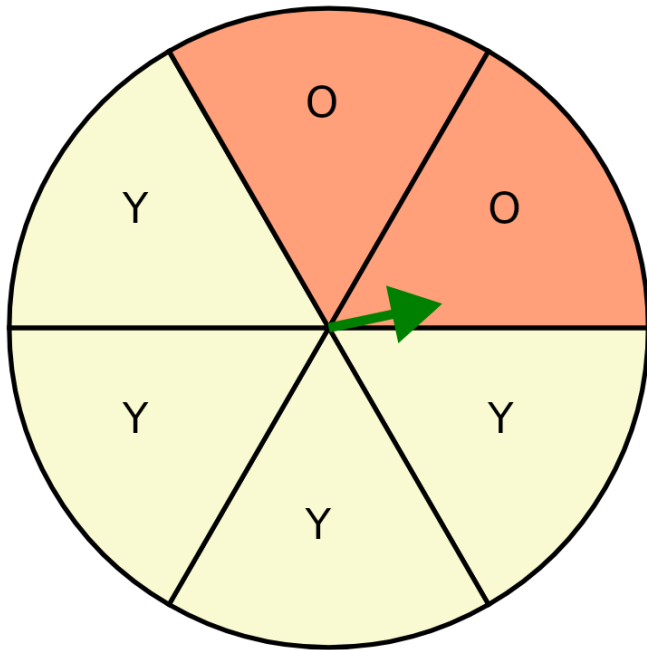




Represent sample spaces using organized lists



1 List all the possible outcomes.



A

yellow, orange, green

B

yellow, orange, blue

C

yellow, orange

D

yellow, orange, red, blue

2 List all the favourable outcomes.

A fair coin is flipped and a fair six-sided die is rolled. A favourable outcome is one where the die shows a number less than 3.

A

 $(H, 1) \quad (H, 2) \quad (T, 1) \quad (T, 2)$

B

 $(T, 1) \quad (T, 2) \quad (T, 3) \quad (T, 4) \quad (T, 5) \quad (T, 6)$



3 List all the possible outcomes in the sample space.

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

A

RRR RRG RRB RGR RGG
RGB RBR RBG RBB

B

RRR RRG RRB RGR RGG
RGB RBR RBG RBB GRR
GRG GRB GGR GGG GGB
GBR GBG GBB BRR BRG
BRB BGR BGG BGB BBR
BBG BBB

4 List all the possible outcomes in the sample space.

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

A

(1, R) (1, G) (1, B)

B

(1, R) (1, G) (1, B) (2, R) (2, G)
(2, B) (3, R) (3, G) (3, B) (4, R)
(4, G) (4, B) (5, R) (5, G) (5, B)
(6, R) (6, G) (6, B)



- 5 List all the possible outcomes in the sample space.

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

A

(H, R)	(H, G)	(H, B)	(T, R)	(T, G)
(T, B)	(H, R)	(H, G)	(H, B)	(T, R)
(T, G)	(T, B)			

B

(H, R)	(H, G)	(H, B)	(T, R)	(T, G)
(T, B)				

- 6 List all the possible outcomes in the sample space.

Four fair coins are flipped.

A

HHHH	HHHT	HHTH	HHTT	HTHH
HTHT	HTTH	HTTT	THHH	THHT
THTH	THTT	TTHH	TTHT	TTTH
TTTT				

B

HHHH	HHHT	HTHH	HTHT	THHH
THHT	TTHH	TTHT		