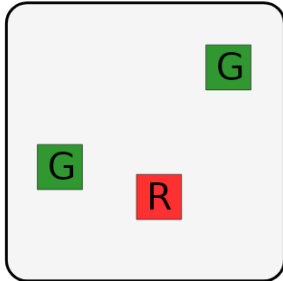


**Represent sample spaces using tree diagrams**

1 List all the possible outcomes.



A red square, green square, yellow circle

B green square

C red square, green square, blue square

D red square, green square

2 List all the possible outcomes in the sample space.

Two fair coins are flipped.

A HH HT TH TT

B TH TT TH TT

3 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)

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

4 List all the possible outcomes in the sample space.

Three fair coins are flipped.

A
HHT HHT HTT HTT THT
THT TTT TTT

B
HHH HHT HTH HTT THH
THT TTH TTT



Represent sample spaces using tree diagrams

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

Four fair coins are flipped.

A

HHHH HHHT HTHH HTHT THHH
THHT TTHH TTHT

B

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

- 6 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