

Mathematics

Combined Events and Tree Diagrams 1

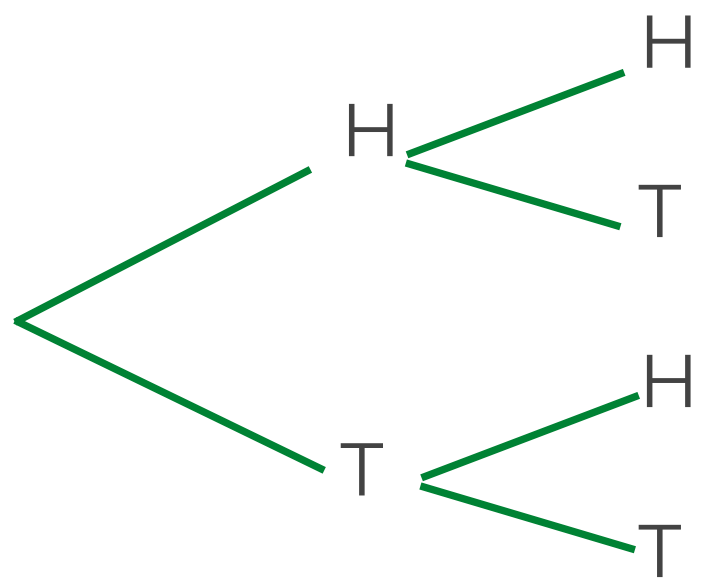
Downloadable Resource

Mr Langton



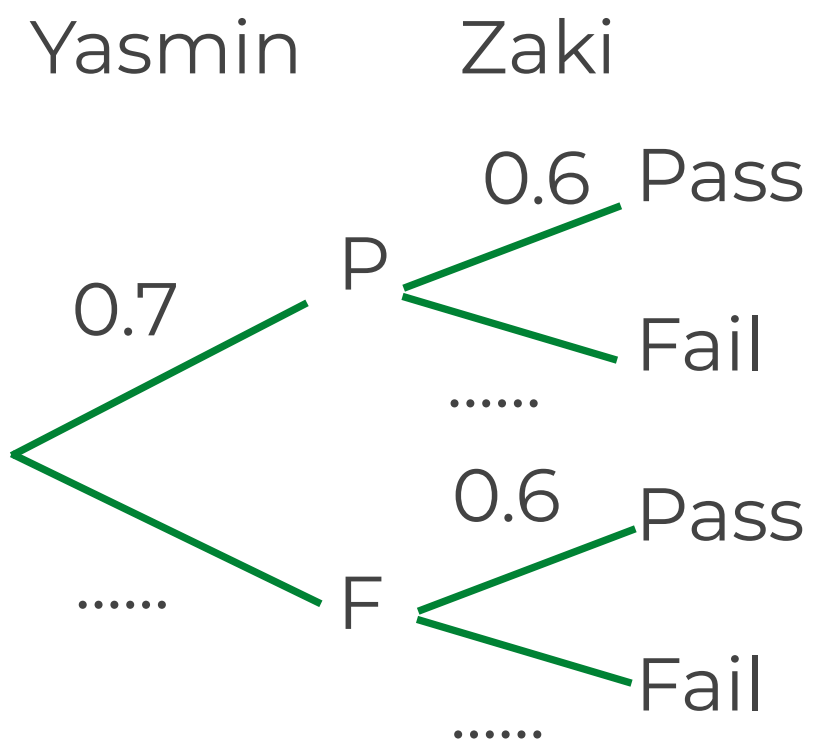
Combined Events and Tree Diagrams 1

I flip a coin twice. Complete the probability tree below.



- a) What is the probability of getting two heads?
- b) What is the probability of getting two tails?
- c) What is the probability of getting two different results?

Yasmin and Zaki each take a test. The probability that Yasmin passes is 0.7. The probability that Zaki passes is 0.6. Complete the tree diagram.



- a) What is the probability that they both fail?
- b) What is the probability that only one of them will pass?

Cala has 7 cubes in a bag. 2 of them are green and 5 are white.

She takes a cube at random, notes the colour, and puts it back in the bag.

She takes a second cube and notes the colour of that one too.

- a) Draw a probability tree to show all the possible outcomes.
- b) What is the probability that she takes one cube of each colour?

