Challenge yourself
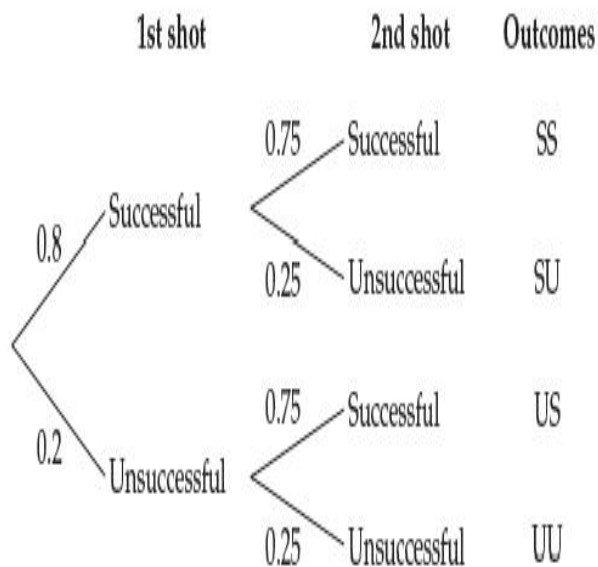
P(First shot) = 0.8 and P(Both shots) = 0.6.

The two shots are modelled as independent events, so P(Both shots) = P(First shot) × P(Second shot).

Therefore 0.6 = 0.8 × P(Second shot)

P(Second shot) = $\frac{0.6}{0.8}$ = 0.75

You can now draw a tree diagram to show all the possible outcomes of two shots.

P(At least one shot) = 1 − P(UU) = 1 − 0.05 = 0.95