

1. List all possible outcomes for each experiment:

- a) Flipping a coin twice HH, HT, TH, TT (order unimportant)
- b) Flipping a coin three times HHH, HHT, HTH, HTT, THH, THT, TTH, TTT (order unimportant)
- c) Flipping a coin, then rolling a six-sided die
H1, H2, H3, H4, H5, H6, T1, T2, T3, T4, T5, T6 (order unimportant)
- d) Rolling a four-sided die, then flipping a coin
1H, 1T, 2H, 2T, 3H, 3T, 4H, 4T (order unimportant)
- e) Choosing one main from {curry, pasta, chips} and one dessert from {crumble, cake} curry and crumble, curry and cake, pasta and crumble, pasta and cake, chips and crumble, chips and cake (order unimportant)
- f) Choosing one sandwich from {houmous, jam, falafel} and one drink from {coke, juice, water} houmous and coke, houmous and juice, houmous and water, jam and coke, jam and juice, jam and water, falafel and coke, falafel and juice, falafel and water (order unimportant)
- g) Flipping a coin four times HHHH, HHHT, HHTH, HHTT, HTHH, HTHT, HTTH, HTTT, THHH, THHT, THTH, THTT, TTHH, TTHT, TTTH, TTTT (order unimportant)
- h) Flipping a coin, then rolling an eight-sided die
H1, H2, H3, H4, H5, H6, H7, H8, T1, T2, T3, T4, T5, T6, T7, T8 (order unimportant)
- i) Flipping a coin, then rolling a ten-sided die (labelled with the numbers 1 to 10) H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10 (order unimportant)
- j) Rolling a four-sided die, then flipping a coin twice 1HH, 1HT, 1TH, 1TT, 2HH, 2HT, 2TH, 2TT, 3HH, 3HT, 3TH, 3TT, 4HH, 4HT, 4TH, 4TT (order unimportant)
- k) Choosing one main from {caviar, snails, sushi} and one dessert from {jelly, tiramisu} caviar and jelly, caviar and tiramisu, snails and jelly, snails and tiramisu, sushi and jelly, sushi and tiramisu (order unimportant)
- l) Choosing one sandwich from {steak, ham, cheese} and one drink from {pepsi, 7up, monster} steak and pepsi, steak and 7up, steak and monster, ham and pepsi, ham and 7up, ham and monster, cheese and pepsi, cheese and 7up, cheese and monster (order unimportant)