OUTCOMES
LISTING SYSTEMATICALLY

Ref: G501. **1F1**

A1 State the possible outcomes when a coin is thrown once.	**A2** List the possible outcomes when an ordinary six-sided dice is rolled once.	**A3** Katie likes to play football. She takes a shot at goal. State the possible outcomes.	**A4** Rio takes his driving test. State the possible outcomes.
B1 List the possible outcomes when a game of chess it played.	**B2** Elise surveyed her class, asking them their eye-colour. List the possible outcomes	**B3** Jonah was asked to pick a letter from a bag of vowels. List the possible outcomes.	**B4** Soni was asked to pick a letter from the word 'SUCCEED' List the possible outcomes.
C1 List the possible game scores when a 'best-of-three' table-tennis match is played.	**C2** List the possible set scores when a 'best-of-five' tennis match is played.	**C3** Anika, Barney and Dawn like to play tennis. They play each other in a 'round-robin' tournament. List the matches that need to be played.	**C4** Pip, Rahul, Stevie and Tyrone like to play chess. They play each other in a 'round-robin' tournament. List the matches that need to be played.
D1 A bag contains lots of black counters, and lots of yellow counters. Two counters are picked at random. List the possible outcomes.	**D2** Daniel likes to play basketball. He takes two shots at the basket. List the possible outcomes.	**D3** Charlie buys a pizza. He is allowed two different toppings from mushroom, beef and pineapple. List all the possible combinations of toppings that he might choose.	**D4** Zoe buys a pizza. She is allowed two different toppings from mushroom, beef, pineapple and olives. List all the possible combinations of toppings that she might choose.

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A1	A2	A3	A4
State the possible outcomes when a coin is thrown once. H,T	List the possible outcomes when an ordinary six-sided dice is rolled once. 1,2,3,4,5,6	Katie likes to play football. She takes a shot at goal. State the possible outcomes. SCORES, MISSES [OR SIMILAR TERMS]	Rio takes his driving test. State the possible outcomes. PASS, FAIL
B1 List the possible outcomes when a game of chess it played. WIN, DRAW, LOSE	**B2** Elise surveyed her class, asking them their eye-colour. List the possible outcomes BLUE, BROWN, GREEN, GREY [POSSIBLY MORE]	**B3** Jonah was asked to pick a letter from a bag of vowels. List the possible outcomes. A,E,I,O,U	**B4** Soni was asked to pick a letter from the word 'SUCCEED' List the possible outcomes. S,U,C,E,D [NO LETTER REPETITION]
C1 List the possible game scores when a 'best-of-three' table-tennis match is played. 2-0, 2-1, 1-2, 0-2	**C2** List the possible set scores when a 'best-of-five' tennis match is played. 3-0, 3-1, 3-2, 0-3, 1-3, 2-3	**C3** Anika, Barney and Dawn like to play tennis. They play each other in a 'round-robin' tournament. List the matches that need to be played. A v B, A v D, B v D	**C4** Pip, Rahul, Stevie and Tyrone like to play chess. They play each other in a 'round-robin' tournament. P v R P v S P v T R v S R v T S v T
D1 A bag contains lots of black counters, and lots of yellow counters. Two counters are picked at random. List the possible outcomes. (B,B) (B,Y)(Y,B) (Y,Y)	**D2** Daniel likes to play basketball. He takes two shots at the basket. List the possible outcomes. (S,S)(S,M)(M,S)(M,m)	**D3** Charlie buys a pizza. He is allowed two different toppings from mushroom, beef and pineapple. (m,B) (M,P) (B,P)	**D4** Zoe buys a pizza. She is allowed two different toppings from mushroom, beef, pineapple and olives. (m,B) (m,P)(m,o) (B,P) (B,O) (P,O)

[S=SCORES, m=MISSES] Worksheets, Videos, Interactive Quizzes and Exam Solutions