OUTCOMES
DICE, COINS AND COUNTERS

Ref: G501. **1F2**

A1 An ordinary six-sided dice is numbered 1 to 6. The dice is rolled once. List the possible outcomes.	**A2** A coin is thrown once. List the possible outcomes.	**A3** A bag contains lots of red counters and green counters. Two counters are picked at random. List all the possible outcomes.	**A4** A bag contains 1 red counter, 1 green counter and 1 blue counter. Two counters are picked at random. List all the possible outcomes.
B1 An ordinary four-sided dice is rolled twice. One outcome is (1, 1) List all the other possible outcomes.	**B2** A coin is thrown twice. List the possible outcomes.	**B3** A bag contains lots of red counters and green counters. Three counters are picked at random. List all the possible outcomes.	**B4** A bag contains 3 red counters and 2 green counters. Three counters are picked at random. List all the possible outcomes.
C1 Two ordinary six-sided dice are both numbered 1 to 6. The dice are rolled and the scores are added. List all the possible totals.	**C2** A coin is thrown three times. List the possible outcomes.	**C3** A bag contains lots of red counters, green counters and blue counters. Two counters are picked at random. List all the possible outcomes.	**C4** A bag contains 3 red counters, 2 green counters and 1 blue counter. Three counters are picked at random. List all the possible outcomes.

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A1	A2	A3	A4
An ordinary six-sided dice is numbered 1 to 6. The dice is rolled once. List the possible outcomes. 1, 2, 3, 4, 5, 6	A coin is thrown once. List the possible outcomes. H, T	A bag contains lots of red counters and green counters. Two counters are picked at random. List all the possible outcomes. (R,R) (R,G) (G,R) (G,G)	A bag contains 1 red counter, 1 green counter and 1 blue counter. Two counters are picked at random. List all the possible outcomes. (R,G) (G,R) (B,R) (R,B) (G,B) (B,G)

B1	B2	B3	B4
An ordinary four-sided dice is rolled twice. List the possible outcomes. (1,1) (2,1) (3,1) (4,1) (1,2) (2,2) (3,2) (4,2) (1,3) (2,3) (3,3) (4,3) (1,4) (2,4) (3,4) (4,4)	A coin is thrown twice. List the possible outcomes. (H,H) (H,T) (T,H) (T,T)	A bag contains lots of red counters and green counters. Three counters are picked at random. (R,R,R) (R,G,G) (R,R,G) (G,R,G) (R,G,R) (G,G,R) (G,R,R) (G,G,G)	A bag contains 3 red counters and 2 green counters. Three counters are picked at random. List all the possible outcomes. ← SAME BUT NO (G,G,G)

C1	C2	C3	C4
Two ordinary six-sided dice are both numbered 1 to 6. The dice are rolled and the scores are added. List all the possible totals. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	A coin is thrown three times. List the possible outcomes. (H,H,H) (H,T,T) (H,H,T) (T,H,T) (H,T,H) (H,T,H) (T,H,H) (T,T,T)	A bag contains lots of red counters, green counters and blue counters. Two counters are picked at random. (R,R) (G,R) (B,R) (R,G) (G,G) (B,G) (R,B) (G,B) (B,B)	A bag contains 3 red counters, 2 green counters and 1 blue counter. (RRR) (BRR) (RGB) (RRG) (RGG) (RBG) (RGR) (GRG) (GBR) (GRR) (GGR) (GRB) (RRB) (BGG) (BGR) (RBR) (GBG) (BRG)

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