PROBABILITY
EQUALLY LIKELY OUTCOMES

NO CALCULATOR

Ref: G512. **1F1**

A1 An ordinary coin is tossed. What is the probability that the coin lands on heads?	**A2** An ordinary dice is thrown. What is the probability that the dice lands on a prime number?	**A4** Amita picks a card from an ordinary pack of 52 playing cards. What is the probability that she picks a King?
B1 A class consists of 18 girls and 15 boys. One of the students is selected at random. Calculate the probability that the student selected is a boy.	**B2** A fish tank contains 8 guppies, 5 platies and 7 mollies. One of the fish is selected at random. Calculate the probability that the fish selected is a guppy.	**B4** Jack has cans of soup which don't have labels. He knows that 3 cans are tomato, 4 cans are mushroom and 7 cans are chicken flavour. If he picks a can at random, what is the probability that the can chosen is not tomato?
C1 A bag contains 3 red counters and 2 blue counters. One of the counters is selected at random. Find the probability that the counter selected is blue.	**C2** A bag contains 2 red counters, 5 green counters and 4 blue counters One of the counters is selected at random. Find the probability that the counter selected is either red or blue.	**C4** A bag contains 4 red counters, 7 blue counters and 5 green counters. One of the counters is selected at random. Find the probability that the counter selected is not blue.
D1 A letter is selected at random from the set {M, A, T, H, E, M, A, T, I, C, S} Find the probability that the letter 'M' is selected.	**D2** A letter is selected at random from the set {P, R, O, B, A, B, I, L, I, T, Y} Find the probability that a vowel is selected.	**D4** Each month of the year is written on a card and placed in a bag. One of the cards is selected at random. Calculate the probability that the month written on the card has 30 days.