

# Foundation

- 1.** List the two possible outcomes when a fair coin is tossed.
- 2.** A fair die is rolled. Write the possible scores.
- 3.** A spinner has red, blue, green, and yellow sectors. List the possible colours.
- 4.** A bag contains only black and white counters. Name the possible colours you could pick.
- 5.** Which is more likely on a fair coin: heads or tails?
- 6.** Which is impossible on a standard die: rolling 4 or rolling 8?
- 7.** Which is certain on a standard die: rolling a number less than 7 or rolling a 9?
- 8.** Write the probability of getting heads on a fair coin as a fraction.
- 9.** Write the probability of rolling a 6 on a fair die as a fraction.

- 10.** Write the probability of rolling an even number on a fair die as a fraction.
- 11.** A spinner has 3 equal sectors labelled  $A$ ,  $B$ , and  $C$ . What is the probability of landing on  $B$ ?
- 12.** A bag has 5 counters: 2 red and 3 blue. What colour is more likely to be picked?
- 13.** Is rolling a 7 on a standard die possible, impossible, or certain?
- 14.** Is getting either heads or tails on one coin toss possible, impossible, or certain?
- 15.** Which is more likely on a fair die: rolling an odd number or rolling a 6?
- 16.** Fill in the blank: the sample space for a fair coin is  $\{\square, \square\}$ .