Practice worksheet | Probability

Equally likely versus unequal outcomes

Name: _____ Date: _____

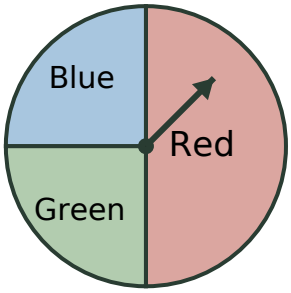
6 questions | 12 marks

1. A fair six-sided die is rolled. Are its face numbers equally likely? State the assumption. [2 marks]

2. A counter is chosen at random from a bag with two red and six blue equal-size counters. Which colour is more likely, and how many times as likely? [2 marks]

3. An ideal spinner is half orange and half purple. Are the colours equally likely? Explain. [2 marks]

4. Use the spinner shown. Which two colours have equal chances? [2 marks]



Red: one half

Blue: one quarter

Green: one quarter

Each direction is equally likely.

5. Four equal spinner sectors are labelled A, A, A and B. Are A and B equally likely? Explain. [2 marks]

6. A student looks into a bag and chooses a favourite colour. Can you use the equal-counter random-selection model? Explain. [2 marks]