Practice worksheet | Probability

# Equal/unequal likelihood

Name: _____ Date: _____

6 questions | 8 marks

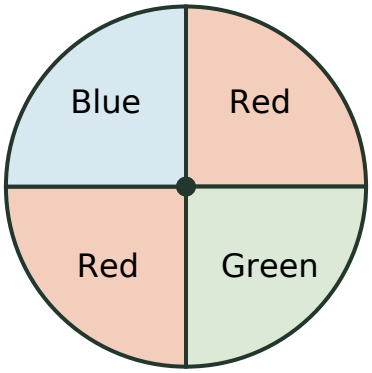
**1.** A fair coin is tossed once. Are heads and tails equally likely? [1 mark]

**2.** A bag has 4 red and 4 blue same-sized counters. Compare red and blue. [1 mark]

**3.** A bag has 5 red and 2 blue same-sized counters. Which colour is more likely? [1 mark]

**4.** Which two colours have equal chances on the supplied spinner? [1 mark]

Four equal sectors




Assume each sector is equally likely.

**5.** A pupil says green is impossible because it is least likely in the supplied bag. Explain the mistake. [2 marks]

Six same-sized counters in a bag; choose without looking

| Colour | Number of counters |
|---|---|
| Red | 3 |
| Blue | 2 |
| Green | 1 |

**6.** Design a fair spinner with four equal sectors that gives red and blue equal chances. Describe its labels. [2 marks]