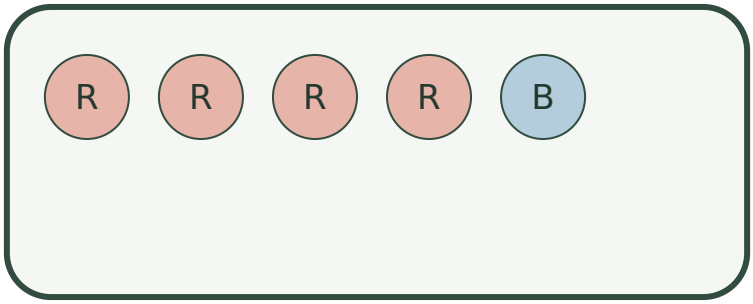
Ordering likelihood

6 questions | 8 marks

Equivalent correct methods earn the corresponding marks.

1. A bag contains four red balls and one blue ball. Which colour is more likely?
[1 mark]

Equal-sized balls in a mixed bag



R = red, B = blue, G = green

More of the equal-sized balls are red.

Answer: Red.

2. A bag contains only green balls. Describe the chance of drawing a green ball. [1 mark]

Every possible ball is green.

Answer: Certain.

3. A bag contains only green balls. Describe the chance of drawing a red ball. [1 mark]

There are no red balls.

Answer: Impossible.

4. A fair coin has a head and a tail. Compare the chances of the two outcomes. [1 mark]

A fair coin gives the two sides equal chances.

Answer: Equally likely.

5. Order these from least to most likely: certain, impossible, likely, unlikely. [2 marks]

Impossible and certain are the two extremes.

Answer: Impossible, unlikely, likely, certain.

6. A blue ball is unlikely to be drawn. Can it still be drawn on the next try? Explain. [2 marks]

It is not the same as impossible.

Answer: Yes. Unlikely still means possible.