Likely/unlikely/certain/impossible

6 practice questions

1. A bag contains only orange counters. Describe choosing orange using a chance word.

Every available counter is orange.

Answer: Certain.

2. The same bag has no white counters. Describe choosing white.

No white counter is available.

Answer: Impossible.

3. A mixed bag has 8 green and 2 yellow same-sized counters. Which colour is more likely?

There are more green counters: 8 compared with 2.

Answer: Green.

4. Could yellow still be chosen from a bag of 8 green and 2 yellow counters? Explain.

Two yellow counters are present.

Answer: Yes. Yellow is less likely than green, but it is possible.

5. An ordinary fair coin lands on a flat face. Is heads certain? Explain.

The setup has two possible flat-face results.

Answer: No. Tails is also possible and equally likely.

6. A mixed bag has 4 red and 4 blue same-sized counters. Is either colour more likely? Explain.

There are equal numbers under the same choosing conditions.

Answer: No. The colours are equally likely.