

Chance — likely, unlikely, certain, impossible

WHAT THIS LESSON TEACHES

We describe chance using these words: **certain** (will definitely happen), **likely**, **unlikely**, **impossible** (will never happen).

- **Certain**: the sun will rise tomorrow.
- **Likely**: it will rain in Galway in November.
- **Unlikely**: tomorrow will be the hottest day of the year.
- **Impossible**: rolling a 7 on a six-sided die.

ANSWER KEY

- a) **Certain**: 'the sun will rise tomorrow.'
 - b) **Likely**: 'it will rain in Galway in November.'
 - c) **Unlikely**: 'I roll a 6 on a die.'
 - d) **Impossible**: 'I roll a 7 on a normal die.'
- Q1: even
- Q2: even
- a) **Never** — Heads is 1 of 2 outcomes — only likely (50%), not certain.

- b) **Always** — Faces are 1-6. There is no 7.
- c) **Never** — Unlikely means low probability, not zero. Lottery wins are unlikely but real.
- d) **Sometimes** — Depends on the day; on average yes, but Galway gets sunny days too.
- e) **Always** — For primary purposes, treat as certain.
- f) **Sometimes** — Most likely 4-6, but you can get any count from 0 to 10.

EXTENSION SHEET · STRETCH ANSWERS

- S1: even
- S2: unlikely

- S3: unlikely