

Chance — likely, unlikely, certain, impossible

MODULE 7 · DATA, CHANCE AND THE CO-ORDINATE PLANE

SHAPE & SPACE

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.

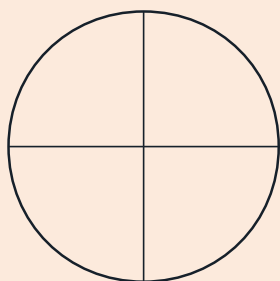
HOW TO ANSWER TODAY

- **Chance words.** Choose from: impossible · unlikely · even · likely · certain.

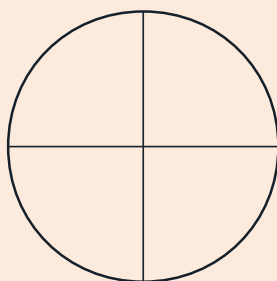
Sun rising tomorrow → certain · Coin landing heads → even

TRY IT ON THE LINE

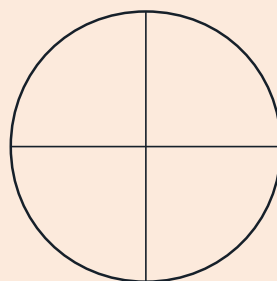
Each circle models the chance of an event. Shade the matching sectors on each circle, then write a real-life example of an event with that chance.



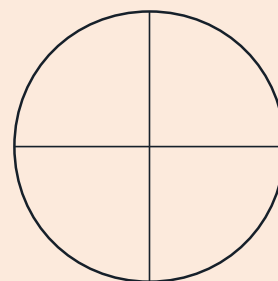
Certain — shade all 4



Likely — shade 3



Unlikely — shade 1



Impossible — shade 0

1. **Certain** (4 of 4 shaded). Example: _____
2. **Likely** (3 of 4 shaded). Example: _____
3. **Unlikely** (1 of 4 shaded). Example: _____
4. **Impossible** (0 of 4 shaded). Example: _____

PRACTICE

- 1 Before starting a class card game, Tadhg tosses a fair coin to decide which team goes first. How likely is the event of the coin landing heads? Choose one of: impossible, unlikely, even, likely, certain.

How likely is this event: a tossed fair coin landing heads? Choose one of: impossible, unlikely, even, likely, certain.

- 2 Before a yard game at little break, Oisín tosses a fair coin to decide which team goes first. How likely is the event of a tossed fair coin landing heads? Choose one of: impossible, unlikely, even, likely, certain.

? ALWAYS, SOMETIMES, NEVER

Always true, sometimes true, or never true? Write A, S or N.

- | | |
|--|---|
| a. Tossing a fair coin and getting heads is certain. ☐ | d. It is more likely to rain in Galway than be sunny in January. ☐ |
| b. Rolling a 7 on a standard six-sided die is impossible. ☐ | e. The sun will rise tomorrow. ☐ |
| c. If something is unlikely, it can never happen. ☐ | f. If you flip a coin 10 times, you will get exactly 5 heads. ☐ |