

# Chance – the language of likelihood

MODULE 9 · DATA AND CHANCE DATA &amp; CHANCE

## HOW TO ANSWER TODAY

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

Sun rising tomorrow → certain · Coin landing heads → even

## ★ STRETCH PROBLEMS

- 1 During maths in 4th class, Tadhg flips a fair coin **5** times to test his luck. He hopes to get **5** heads in a row. How likely is this event: impossible, unlikely, even, likely or certain?
- 2 In a probability lesson, 4th class talk about the **30** pupils in the room. If the teacher picks one pupil at random, how likely is it that the chosen pupil is left-handed? Choose one: impossible, unlikely, even, likely, certain.
- 3 During a class probability experiment, Oisín tries to flip **5** heads in a row with a fair coin. Is this event impossible, unlikely, even, likely or certain?
- 4 During indoor games on a wet PE day, Oisín's class talks about chance. His teacher asks how likely it is that the next baby born in the town is a boy. Choose one word: impossible, unlikely, even, likely or certain.
- 5 During a maths game, Oisín flips a fair coin and tries to get **5** heads in a row. How likely is he to flip **5** heads in a row? Choose one: impossible, unlikely, even, likely, certain.

## ● INVESTIGATE

### A week of likelihood

List eight real events that could happen this week at school or at home. Place each on a line from **impossible** to **certain**. Which two were hardest to place, and what extra information would help?

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