# Chance — certain, possible and impossible

MODULE 9 · DATA AND CHANCE  DATA & 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. Mr Murphy's 4th class are talking about chance during maths. He asks them how likely it is that a randomly chosen pupil in a class of **30** will be left-handed. Choose one word: impossible, unlikely, even, likely, or certain.

   > How likely is this event: a randomly chosen pupil in a class of 30 being left-handed? Choose one of: impossible, unlikely, even, likely, certain.

2. In Ms Walsh's 3rd class maths investigation, Aoife is talking about chance events with her group. They discuss the next baby born in the local hospital being a boy. Is this event impossible, unlikely, even, likely or certain?

   > How likely is this event: the next baby born being a boy? Choose one of: impossible, unlikely, even, likely, certain.

3. In Ms Murphy's 4th class, the pupils are talking about chance in the maths corner. They wonder how likely it is that a randomly chosen pupil in a class of **30** will be left-handed. Choose one word to describe this: impossible, unlikely, even, likely, or certain.

4. During a probability lesson, Oisín's group flips a fair coin during their maths investigation. How likely is the event of flipping **5** heads in a row with a fair coin? Choose one: impossible, unlikely, even, likely, certain.