

Ordering events on a likelihood line

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 In Cian's class of **30** pupils, the teacher picks one name at random from the roll. How likely is it that the chosen pupil is left-handed? Choose one word: impossible, unlikely, even, likely or certain.
- 2 During indoor break, Oisín rolls a standard die in a board game. How likely is it that he rolls a number greater than **1**? Choose one: impossible, unlikely, even, likely, certain.
- 3 During maths, Oisín flips a fair coin for a chance game with his group. He wants to get **5** heads in a row. How likely is this event: impossible, unlikely, even, likely or certain?
- 4 On a wet PE day, 4th class play a board game where you roll a standard die twice. Cian needs to roll at least one **6** in his two rolls to win. Is this event impossible, unlikely, even, likely or certain?
- 5 Aoife's teacher asks 4th class about the next baby born in the local hospital being a boy. Choose one word to describe how likely this is: impossible, unlikely, even, likely, or 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?
