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 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?

3. 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?

4. During a maths investigation, Oisín tosses a fair coin and watches which way it lands. How likely is the coin landing heads? Choose one: impossible, unlikely, even, likely, certain.

5. At the school summer fair, Oisín runs a game with a bag holding **1** red counter and **9** blue counters. A player wins a prize if they pick a red counter. How likely is it to pick a red counter: 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?