Testing predictions with dice and spinners

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. Tadhg and Aoife play a dice game in 4th class during indoor break. Tadhg rolls a standard die two times and wants to get at least one **6**. How likely is this event? Choose one: impossible, unlikely, even, likely, certain.

   > How likely is this event: rolling at least one 6 in two rolls of a standard die? Choose one of: impossible, unlikely, even, likely, certain.

2. 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.

3. Ms Murphy's 4th class are talking about chance during maths. She asks them about the next baby born 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.

4. 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.