

Experimental probability, predictions and review

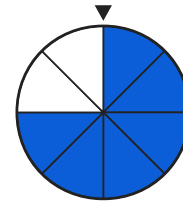
MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

- **Probability.** Probability = outcomes you want ÷ total outcomes. Write as a fraction, decimal, or percent.
Spinner with 4 equal parts, 1 red → $1/4 = 0.25 = 25\%$
- **Chance words.** Choose from: impossible · unlikely · even · likely · certain.
Sun rising tomorrow → certain · Coin landing heads → even

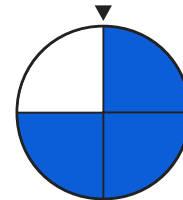
STRETCH PROBLEMS

- 1 Saoirse makes a spinner for a classroom game in 6th class. It has 8 equal segments and 6 of them are red. What is the probability that the spinner lands on red? Give your answer as a percent.



6 of 8 shaded

- 2 In a 6th class probability lesson, Cian spins a spinner with 4 equal segments. 3 of the segments are red. What is the probability of landing on red? Give your answer as a percent.



3 of 4 shaded

- 3 On a wet PE day, 6th class stay indoors and play a board game in the hall. Tadhg is about to roll a standard die. How likely is rolling a number less than 6 on a standard die? Choose one of: impossible, unlikely, even, likely, certain.
- 4 On a wet PE day, 6th class stay indoors and play a counter game. The bag holds 1 red counter and 9 blue counters. How likely is it that Saoirse picks a red counter from the bag? Choose one of: impossible, unlikely, even, likely, certain.
- 5 Cian is playing a board game with friends in 6th class and needs an even number on a standard die to move. How likely is rolling an even number on a standard die? Choose one of: impossible, unlikely, even, likely, certain.