

Experimental probability, predictions and review

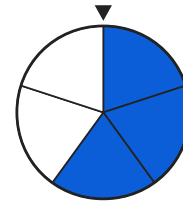
MODULE 9 · DATA AND CHANCE DATA & CHANCE

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 On a wet PE day in 5th class, Oisín plays a board game with a spinner that has 5 equal segments. 3 of the segments are red. What is the probability that the spinner lands on red, as a percentage?

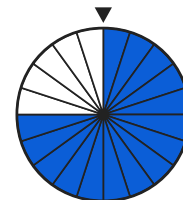


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- 2 During wet break, Oisín and Cara play a board game in 5th class that uses a standard die. Cara needs to roll a 6 on her next turn to win. How likely is rolling a 6 on a standard die: impossible, unlikely, even, likely, or certain?

- 3 Before starting a class card game, Tadhg tosses a fair coin to decide which team goes first. How likely is the event of the coin landing heads? Choose one of: impossible, unlikely, even, likely, certain.

- 4 At the 5th class summer fair, Tadhg sets up a spin-the-wheel with 20 equal segments. 15 of the segments are red and the rest are yellow. What is the probability of landing on red? Give your answer as a decimal.



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