

Expressing probability as fraction, decimal and percentage

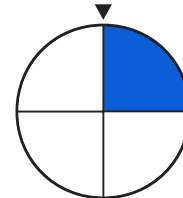
MODULE 9 · DATA AND CHANCE DATA & CHANCE

HOW TO ANSWER TODAY

- **Probability.** Probability = outcomes you want ÷ total outcomes. Write as a fraction, decimal, or percent.

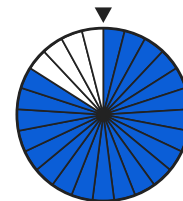
STRETCH PROBLEMS

- 1 Aoife is playing a board game in 6th class. The spinner has 4 equal segments and 1 of them is red. What is the probability of landing on red? Give your answer as a percent.



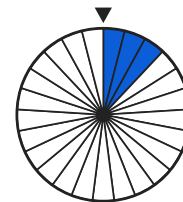
1 of 4 shaded

- 2 Saoirse's 6th class use a spinner with 25 equal segments for a probability experiment. 21 of the segments are red. What is the probability of spinning red? Give your answer as a percent.



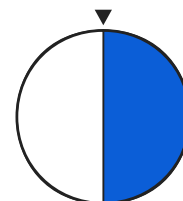
21 of 25 shaded

- 3 In a maths investigation, Saoirse has a bag of 25 coloured cubes. 3 of the cubes are red. What is the probability that she draws a red cube? Give your answer as a percent.



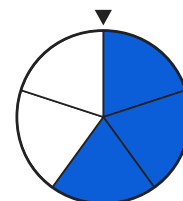
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- 4 Cara is playing a memory-match game with 2 cards laid face down. 1 of the cards is red. She turns one card over at random. What is the probability that she turns over the red card? Give your answer as a decimal.



1 of 2 shaded

- 5 On a wet PE day in 6th 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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