

Probability as a decimal and percentage

MODULE 7 · DATA, CHANCE AND THE CO-ORDINATE PLANE DATA & CHANCE

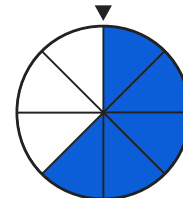
HOW TO ANSWER TODAY

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

Spinner with 4 equal parts, 1 red → $1/4 = 0.25 = 25\%$

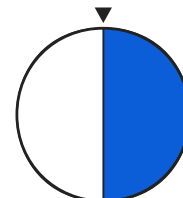
STRETCH PROBLEMS

- 1 On a wet PE day, 5th class play a board game with a spinner that has 8 equal segments. 5 of the segments are red. What is the probability of landing on red, as a percent?



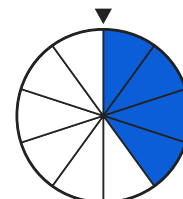
5 of 8 shaded

- 2 Saoirse spins a spinner at the class raffle for the Christmas hamper. The spinner has 2 equal segments and 1 is red. What is the probability of landing on red? Give your answer as a percent.



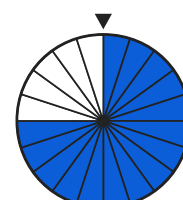
1 of 2 shaded

- 3 At the 5th class summer fair stall, Aoife sets up a spin-the-wheel with 10 equal segments. 4 of the segments are painted red, and players win a prize if the wheel lands on red. What is the probability of landing on red? Give your answer as a decimal.



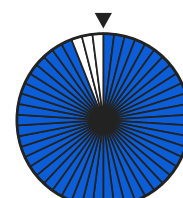
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- 4 At the 5th class summer fair, Tadhg sets up a spin-the-wheel with 20 equal segments. 15 of the segments are red and the rest are yellow. What is the probability of landing on red? Give your answer as a decimal.



15 of 20 shaded

- 5 During wet break, Tadhg plays a game with a spinner that has 50 equal segments. 47 of the segments are red. What is the probability that the spinner lands on red? Give your answer as a percent.



47 of 50 shaded