

Expressing probability as fraction, decimal and percentage

MODULE 9 · DATA AND CHANCE DATA & CHANCE

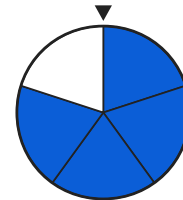
HOW TO ANSWER TODAY

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

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

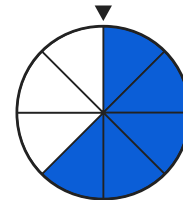
★ STRETCH PROBLEMS

- 1 Sean spins the prize wheel at the 5th class Christmas hamper raffle. The wheel has 5 equal segments, and 4 of them show a red star which wins a small prize. What is the probability that Sean's spin lands on red, as a percent?



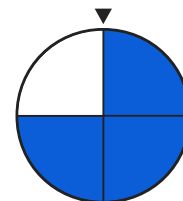
4 of 5 shaded

- 2 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?



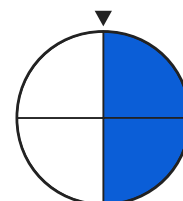
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- 3 Mrs Murphy's 5th class uses a colour spinner to decide who goes first in the secret-Santa swap. The spinner has 4 equal segments, and 3 of them are red. What is the probability that the spinner lands on red? Give your answer as a decimal.



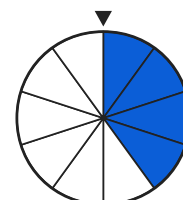
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- 4 At the school sports day, Tadhg spins a prize wheel with 4 equal segments. 2 of the segments are red, and a red segment wins a sticker. What is the probability of landing on red, as a decimal?



2 of 4 shaded

- 5 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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