

Probability as a fraction: out of total outcomes

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

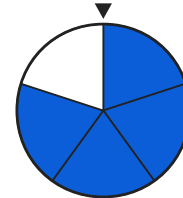
HOW TO ANSWER TODAY

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

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

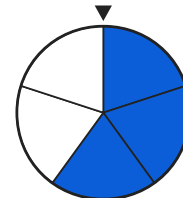
STRETCH PROBLEMS

- 1 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?



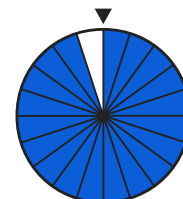
4 of 5 shaded

- 2 On a wet PE day 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?



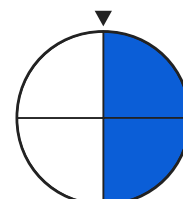
3 of 5 shaded

- 3 Saoirse spins a spinner during a class board game. The spinner has 20 equal segments and 19 of them are red. What is the probability of landing on red? Give your answer as a percent.



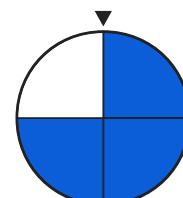
19 of 20 shaded

- 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 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.



3 of 4 shaded