

Probability as a decimal and percentage

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

SHAPE & SPACE

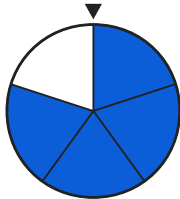
HOW TO ANSWER TODAY

- **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

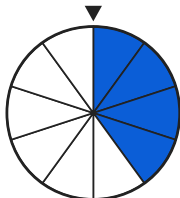
1



4 of 5 shaded

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?

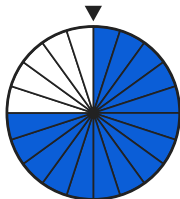
2



4 of 10 shaded

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.

3



15 of 20 shaded

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.