

Expressing probability as fraction, decimal and percentage

MODULE 9 · DATA AND CHANCE REVIEW

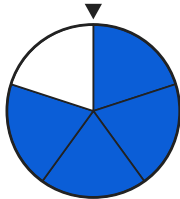
HOW TO ANSWER TODAY

- **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

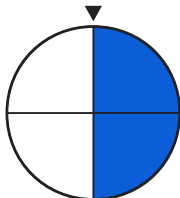
1



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?

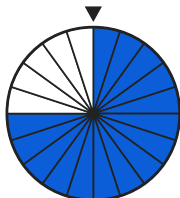
2



2 of 4 shaded

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?

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.