

Probability as a fraction – out of total outcomes

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

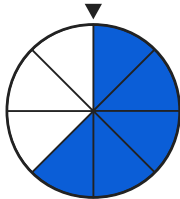
HOW TO ANSWER TODAY

- **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

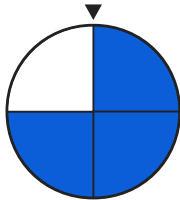
1



5 of 8 shaded

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?

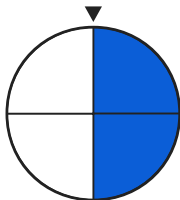
2



3 of 4 shaded

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



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?