TEACHER RESOURCE BOOK · MATHS · 5TH CLASS

Lesson 96 SHAPE & SPACE

Probability as a decimal and percentage

WHAT THIS LESSON TEACHES

Probability measures how likely something is to happen. Write it as a **fraction**: number of ways the event can happen ÷ total number of equally likely outcomes.

→ Rolling a 6 on a die: **1/6**. As a decimal ≈ 0.17, or about **17%**.

→ Drawing a red card from a full deck: 26/52 = **1/2** = 0.5 = **50%**.

ANSWER KEY

a) P(WIN) = 3/8 = 0.375 = 37.5%.

b) P(JACKPOT) = 1/8 = 0.125 = 12.5%.

c) P(NOT win) = 5/8 = 0.625 = 62.5%.

Q1: 0.5

Q2: 0.75

Q3: 62.5%

Q4: 60%

EXTENSION SHEET · STRETCH ANSWERS

S1: 80%

S2: 0.4

S3: 0.75