GCSE FOUNDATION · REVISION MAT 4

Recording outcomes

1 A coin is flipped and a spinner (X, Y, Z) is spun.

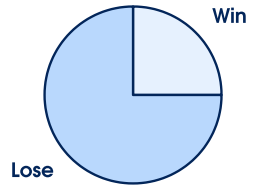
List all the possible outcomes.

2 Here are the results of an experiment.

PQRPPQRPQP
PRQPQPRPPQ

Complete a frequency table.

3 Here is a spinner.



Explain why the outcomes are not equally likely.

4 A 5-sided spinner and a 3-sided spinner are used together.

Show that there are 15 possible outcomes.

5 Spinner A has sections B, B, R. Spinner B has sections B, R, Y.
All sections on each spinner are equally likely.

Both spinners are spun. Find
P(both land on the same colour).

6 Two people are chosen at random from Ned, Oli, Pam, Raj and Sue.

(a) List all the possible pairs.

(b) Find the probability that Ned is chosen.

Mr&Mrs MATHS

1 **HX, HY, HZ, TX, TY, TZ**

(6 outcomes)

2

Result	P	Q	R
Frequency	10	6	4

3 The sections are different sizes, so the spinner is more likely to land on bigger sections (e.g. Win).

ANSWERS · REVISION MAT 4

Recording outcomes

4 Each of the 5 outcomes can go with each of the 3 outcomes.

5 × 3 = **15** ✓

5 BB, BR, BY, BB, BR, BY, RB, RR, RY

3 out of 9: $\frac{1}{3}$

6 (a) Ned–Oli, Ned–Pam, Ned–Raj, Ned–Sue, Oli–Pam, Oli–Raj, Oli–Sue, Pam–Raj, Pam–Sue, Raj–Sue

(b) 4 out of 10: $\frac{2}{5}$

Mr&Mrs MATHS