GCSE FOUNDATION · REVISION MAT 3

Recording outcomes

1 A counter is chosen (R or B) and a spinner (1, 2, 3) is spun.

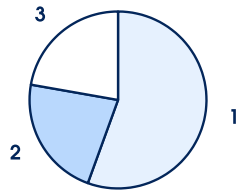
List all the possible outcomes.

2 Here are the results of an experiment.

XYXZYXXZYX
ZXYXXZYXZX

Complete a frequency table.

3 Here is a spinner.



Explain why the outcomes are not equally likely.

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

Show that there are 12 possible outcomes.

5 Spinner A has sections R, G, G. Spinner B has sections R, G.
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 Jo, Kim, Lee and Max.

(a) List all the possible pairs.

(b) Find the probability that Jo is chosen.

1 **R1, R2, R3, B1, B2, B3**

(6 outcomes)

2

Result	X	Y	Z
Frequency	**10**	**5**	**5**

3 The sections are different sizes, so the spinner is more likely to land on bigger sections (e.g. 1).

ANSWERS · REVISION MAT 3

Recording outcomes

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

3 × 4 = **12** ✓

5 RR, RG, GR, GG, GR, GG

3 out of 6: $\frac{1}{2}$

6 (a) Jo–Kim, Jo–Lee, Jo–Max, Kim–Lee, Kim–Max, Lee–Max

(b) 3 out of 6: $\frac{1}{2}$

Mr&Mrs MATHS