Practice worksheet | Probability

Conducting single-stage experiments

Name: _____ Date: _____

6 questions | 16 marks

1. Describe one trial when testing the colour results of a spinner. [2 marks]

2. An experiment records 9 red, 7 blue and 8 green results. How many valid trials are recorded? [2 marks]

3. Why should a counter be returned and the bag remixed when each draw is meant to have the original probabilities? [3 marks]

4. Use the coin table. State the observed and fair-model expected tails counts. [2 marks]

Example record of 20 coin tosses

Result	Frequency
Heads	12
Tails	8

5. A student only records heads and ignores tails. Explain why the record is incomplete. [3 marks]

6. Plan 40 draws from a bag of 2 red and 3 blue equal-size counters. Include selection, replacement, recording and expected reds. [4 marks]