Practice worksheet | Probability

Relative frequency

Name: _____ Date: _____

6 questions | 15 marks

1. An event occurred 8 times in 40 trials. Find its relative frequency as a simplified fraction and decimal. [2 marks]

2. Use the supplied spinner record. Find the relative frequency of green. [2 marks]

Example results from 50 spinner trials

Colour	Frequency
Red	22
Blue	15
Green	13

3. Use the supplied record. Find the relative frequency of not blue. [2 marks]

Example results from 50 spinner trials

Colour	Frequency
Red	22
Blue	15
Green	13

4. A fair-coin model has heads probability 0.5. A 50-toss run has 28 heads. Find its relative frequency and its difference from 0.5. [3 marks]

5. Comparable runs record 6 successes in 10 trials and 36 in 90 trials. Find the pooled relative frequency. [3 marks]

6. Must relative frequency move closer to the theoretical chance whenever one more trial is added? Explain. [3 marks]