Practice worksheet | Probability

Observed frequencies

Name: _____ Date: _____

6 questions | 9 marks

1. How many trials are recorded in the supplied spin table? [1 mark]

Example results from 30 spins

Colour	Frequency
Red	14
Blue	9
Green	7

2. Which colour occurred least often in that table? [1 mark]

Example results from 30 spins

Colour	Frequency
Red	14
Blue	9
Green	7

3. A record shows Win 8 and Lose 12. How many trials are recorded, and which outcome is more frequent? [2 marks]

4. A coin record shows 12 heads and 8 tails. How many more heads than tails occurred? [1 mark]

Example results from 20 tosses of a fair coin

Outcome	Frequency
Heads	12
Tails	8

5. Group A records red 3 times in 10 trials. Group B records red 15 times in 50 trials. Compare their observed shares. [2 marks]

6. A hidden spinner gives blue 9 times in 10 spins. Can you be certain it has nine blue sectors out of ten? Explain. [2 marks]