Practice worksheet | Probability

Interpreting results

Name: _____ Date: _____

6 questions | 12 marks

1. A game has win probability 0.2. After four losses, what is the chance of the next independent win? [1 mark]

2. A device gives 48 successes in 150 trials. State the observed relative frequency. [1 mark]

3. Two reports give 18 and 25 successes but no trial totals. What is missing for a fair rate comparison? [2 marks]

4. Two groups report 12 successes in 40 trials and 28 in 60. Find the combined estimate. [2 marks]

5. A simulation replaces counters, but the real game keeps the first out. Can its result be used unchanged? [3 marks]

6. A model probability is $\frac{1}{3}$. An experiment gives 31 successes in 90 trials. Write a conclusion with a limitation. [3 marks]