Practice worksheet | Probability

Expected frequencies

Name: _____ Date: _____

6 questions | 14 marks

1. An event has probability $\frac{1}{5}$. Find the expected frequency in 40 trials. [2 marks]

2. An ideal spinner is half red. Find the expected red count in 90 spins. [2 marks]

3. A bag has 3 green and 2 white equal-size counters. Each randomly chosen counter is returned and remixed. How many green results are expected in 50 draws? [3 marks]

4. A fair die is rolled 60 times. How many results greater than 4 are expected? [2 marks]

5. An event has chance $\frac{1}{4}$ and is repeated 10 times. Is an expected frequency of 2.5 a mistake? Explain. [2 marks]

6. A fair coin gave 31 heads in 50 tosses instead of the expected 25. Does that alone show the prediction calculation was wrong? [3 marks]