Practice worksheet | Probability

Probabilities of combined outcomes

Name: _____ Date: _____

6 questions | 14 marks

1. A fair coin and standard die are independent. Find $P(\text{head and die greater than } 4)$. [2 marks]

2. A bag has 2 red and 3 blue tokens. Draw at random and replace the token before a second random draw. Find $P(\text{two red})$. [2 marks]

3. Find $P(\text{two heads or two tails})$ for two independent fair coins. [2 marks]

4. Two independent fair spinners each show 1,2,3. Find $P(\text{sum } 4)$. [3 marks]

5. Find $P(\text{even or greater than } 4)$ for a fair standard die. [2 marks]

6. A bag has B1, B2 and G. Draw two tokens at random without replacement. Find $P(\text{both blue})$. [3 marks]