Practice worksheet | Probability

# Compound-event sample spaces

Name: _____ Date: _____

6 questions | 12 marks

**1.** List the sample space for two fair independent coin tosses. [1 mark]

**2.** Find P(two heads) for two fair independent coin tosses. [2 marks]

**3.** A fair coin and an independent fair die are used. How many ordered outcomes are possible? [2 marks]

**4.** For a fair coin and independent fair die, find P(heads and die greater than 4). [2 marks]

**5.** An equal spinner labelled A, B, C is spun twice independently. Find P(same letter). [2 marks]

**6.** Explain why zero, one and two heads are not equally likely in two fair independent tosses. [3 marks]