ENGLAND GCSE MATHS AQA HIGHER · UNIT 12 · 5 QUESTIONS

Probability — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A bag contains 3 red glass marbles and 2 blue glass marbles. The probability of picking a red marble is**

- **A** $\frac{3}{5}$
- **B** $\frac{4}{5}$
- **C** $\frac{2}{5}$
- **D** $\frac{1}{2}$

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2 A shelf has 7 hardcover books: 2 red and 5 blue. The probability of picking a red book is

- **A** $\frac{2}{7}$
- **B** $\frac{2}{9}$
- **C** $\frac{3}{7}$
- **D** $\frac{5}{7}$

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3 A coin is tossed 100 times. It lands on heads 63 times. The relative frequency of heads is

- **A** 0.58
- **B** 0.63
- **C** 0.68
- **D** 0.37

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4 The probability of rain on Saturday is 0.3. If it rains, the probability a passenger train is late is 0.7. If it does not rain, the probability the train is late is 0.1. The probability the train is late is

- **A** 0.21
- **B** 0.07
- **C** 0.28
- **D** 0.38

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5 An ice cream cone is chosen at random from 9 cones: 3 vanilla and 6 chocolate. The probability it is vanilla is

- **A** $\frac{2}{3}$
- **B** $\frac{4}{9}$
- **C** $\frac{1}{3}$
- **D** $\frac{3}{11}$

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ANSWER KEY

1. A
2. A
3. B
4. C
5. C

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