ENGLAND GCSE MATHS OCR 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** $\frac{4}{5}$
- **B** $\frac{3}{5}$
- **C** $\frac{1}{2}$
- **D** $\frac{2}{5}$

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2 **A box contains 16 eggs. 5 eggs are cracked. The probability of picking a cracked egg is**

- **A** $\frac{3}{8}$
- **B** $\frac{11}{16}$
- **C** $\frac{1}{4}$
- **D** $\frac{5}{16}$

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3 **A bag has 6 red and 4 blue counters. Two are drawn without replacement. The probability both are red is**

- **A** $\frac{2}{15}$
- **B** $\frac{1}{3}$
- **C** $\frac{3}{5}$
- **D** $\frac{9}{25}$

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4 The probability of rain on Saturday is 0.5. 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 0.3. The probability the train is late is

- **A** 0.6
- **B** 0.15
- **C** 0.35
- **D** 0.5

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5 Two dice are rolled. The probability of a total of 5 is

- **A** $\frac{5}{36}$
- **B** $\frac{1}{6}$
- **C** $\frac{1}{12}$
- **D** $\frac{1}{9}$

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ANSWER KEY

1. B
2. D
3. B
4. D
5. D

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