ENGLAND GCSE MATHS EDEXCEL FOUNDATION · 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 holds 3 red glass marbles and 2 blue glass marbles. The probability of picking a red marble at random is**

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

Understand It with Pulse | Flag a mistake

2 **Two dice are rolled. The probability of a total of 6 is**

- **A** $\frac{7}{36}$
- **B** $\frac{1}{6}$
- **C** $\frac{5}{36}$
- **D** $\frac{1}{9}$

Understand It with Pulse | Flag a mistake

3 **An ice cream cone is chosen at random from 10 cones: 4 vanilla and 6 chocolate. The probability it is vanilla is**

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

Understand It with Pulse | Flag a mistake

4 **A box holds 12 eggs. 4 eggs are cracked. The probability of picking a cracked egg at random is**

- **A** $\frac{1}{3}$
- **B** $\frac{1}{4}$
- **C** $\frac{2}{3}$
- **D** $\frac{5}{12}$

Understand It with Pulse | Flag a mistake

5 **P(A) = 0.3, P(B) = 0.3, P(A and B) = 0.15. P(A or B) is**

- **A** 0.45
- **B** 0.55
- **C** 0.09
- **D** 0.6

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.