ENGLAND GCSE MATHS AQA FOUNDATION · UNIT 12 · 10 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 fruit bowl contains 3 lemons and 10 apples. The probability of picking a lemon is**

A $\frac{1}{5}$

B $\frac{3}{13}$

C $\frac{4}{13}$

D $\frac{10}{13}$

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2 **A box contains 12 eggs. 4 eggs are cracked. The probability of picking a cracked egg is**

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

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3 **The probability of rain is 0.2. The probability of no rain is**

- **A** 0.7
- **B** 0.8
- **C** 0.9
- **D** 0.2

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4 **P(A) = 0.5, P(B) = 0.2, P(A and B) = 0.2. P(A or B) is**

- **A** 0.6
- **B** 0.7
- **C** 0.1
- **D** 0.5

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

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

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6 **A bag contains 6 red glass marbles and 2 blue glass marbles. The probability of picking a red marble is**

- **A** $\frac{7}{8}$
- **B** $\frac{1}{4}$
- **C** $\frac{2}{3}$
- **D** $\frac{3}{4}$

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7 **P(A) = 0.5, P(B) = 0.4, P(A and B) = 0.2. P(A or B) is**

- **A** 0.9
- **B** 0.8
- **C** 0.7
- **D** 0.2

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8 **A shelf has 9 hardcover books: 3 red and 6 blue. The probability of picking a red book is**

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

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9 **The probability of rain is 0.3. The probability of no rain is**

- **A** 0.6
- **B** 0.3
- **C** 0.8
- **D** 0.7

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10 **P(A) = 0.5, P(B) = 0.4, P(A and B) = 0.15. P(A or B) is**

A 0.85

B 0.75

C 0.2

D 0.9

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ANSWER KEY

1.	B	**5.**	D	**9.**	D
2.	B	**6.**	D	**10.**	B
3.	B	**7.**	C		
4.	D	**8.**	A		

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