ENGLAND GCSE MATHS EDEXCEL 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 4 lemons and 10 apples. The probability of picking a lemon is**

A $\frac{1}{4}$

B $\frac{5}{14}$

C $\frac{2}{7}$

D $\frac{5}{7}$

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2 Three silver coins are flipped. The probability of three heads is

- **A** $\frac{1}{8}$
- **B** $\frac{3}{4}$
- **C** $\frac{1}{2}$
- **D** $\frac{1}{16}$

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3 A shelf has 8 hardcover books: 3 red and 5 blue. The probability of picking a red book is

- **A** $\frac{3}{8}$
- **B** $\frac{3}{10}$
- **C** $\frac{1}{2}$
- **D** $\frac{5}{8}$

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4 **A box holds 24 eggs. 6 eggs are cracked. The probability of picking a cracked egg at random is**

- **A** $\frac{1}{4}$
- **B** $\frac{7}{24}$
- **C** $\frac{3}{14}$
- **D** $\frac{3}{4}$

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5 **P(A) = 0.3, P(B) = 0.4, P(A and B) = 0.2. P(A or B) is**

- **A** 0.5
- **B** 0.6
- **C** 0.12
- **D** 0.7

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6 **A coin is tossed 50 times. It lands on heads 31 times. The relative frequency of heads is**

- A 0.62
- B 0.57
- C 0.67
- D 0.38

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7 **P(A) = 0.3, P(B) = 0.2, P(A and B) = 0.2. P(A or B) is**

- A 0.3
- B 0.06
- C 0.5
- D 0.4

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8 **A bag holds 4 red glass marbles and 2 blue glass marbles. The probability of picking a red marble at random is**

- **A** $\frac{4}{7}$
- **B** $\frac{5}{6}$
- **C** $\frac{2}{3}$
- **D** $\frac{1}{3}$

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9 **The probability of rain is 0.4. The probability of no rain is**

- **A** 0.6
- **B** 0.4
- **C** 0.5
- **D** 0.7

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10 **Two dice are rolled. The probability of a total of 7 is**

A $\frac{7}{36}$

B $\frac{1}{6}$

C $\frac{5}{36}$

D $\frac{1}{4}$

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ANSWER KEY

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

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