BRITISH COLUMBIA WORKPLACE MATHEMATICS 11 (MWPM-11) · UNIT C · 5 QUESTIONS

Probability and Statistics — 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 deck has 52 cards with 13 hearts. The probability of drawing a heart is**

- **A** $\frac{1}{2}$
- **B** $\frac{1}{4}$
- **C** $\frac{1}{3}$
- **D** $\frac{13}{26}$

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2 **A clear plastic bag full of small red and blue plastic balls. A bag has 5 green balls and 15 red balls. The probability of drawing green is**



A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{1}{2}$

D $\frac{3}{4}$

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3 The probability of rolling an even number on a fair six sided die is

- A $\frac{1}{6}$
- B $\frac{1}{3}$
- C $\frac{1}{2}$
- D $\frac{2}{3}$

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4 If odds in favour are 1 to 3, the probability of success is

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

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5 **A game pays 6 dollars with probability $\frac{1}{2}$ and 0 dollars otherwise. Expected winnings are**

A 2

B 3

C 4

D 6

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ANSWER KEY

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

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