ONTARIO MATHEMATICS OF DATA MANAGEMENT, GRADE 12, UNIVERSITY PREPARATION (MDM4U) · UNIT A · 5 QUESTIONS

Counting and 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 **Pile of colourful glass marbles, red, blue, green and yellow. A bag has 30 marbles, of which 6 are red. The probability of drawing a red marble is**



A $\frac{1}{}$

B $\frac{7}{}$

C $\frac{6}{}$

D $\frac{1}{}$

Understand It with Pulse | Flag a mistake

2 **A coin is tossed 5 times. The total number of outcomes is**

- A 10
- B 32
- C 34
- D 25

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3 **The number of combinations of 3 objects chosen from 8 different objects is**

- A 56
- B 61
- C 54
- D 336

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4 **The number of combinations of 2 objects chosen from 11 distinct objects is**

A 60

B 52

C 110

D 55

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5 **The number of permutations of 2 objects chosen from 8 different objects is**

A 28

B 58

C 67

D 56

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ANSWER KEY

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

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