ALBERTA MATH 30-2 · UNIT 2 · 5 QUESTIONS

Counting Methods — 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 **The graph below shows one route a courier takes on a grid, moving only east or north. The number of different routes from the start of the shown route to its end is**

- **A** 10
- **B** 21
- **C** 42
- **D** 35

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2 **Gold, silver, and bronze medals are awarded to three different runners in a race with 8 runners. The number of ways the medals can be awarded is**

- A 56
- B 24
- C 512
- D 336

Understand It with Pulse | Flag a mistake

3 **An album will include 5 songs chosen from 12 recorded songs. The number of different sets of 5 songs that can be chosen is**

- A 792
- B 95040
- C 60
- D 144

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4

A password consists of 2 letters followed by 1 digit. Letters and digits may be repeated. The number of different passwords that are possible is _____ Record your answer as a whole number.

ANSWER

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5 **Standard red octagonal STOP road sign, front view, the word STOP in clean white capital letters, mounted on a plain metal pole, large in frame and centred, plain pale sky background, no people, bright daylight. The number of different arrangements of all the letters in the word OTTAWA is**



A 720

B 360

C 90

D 180

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ANSWER KEY

1. B
2. D
3. A
4. 6760
5. D

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