



## Module 5 : Counting Techniques II (?q=onlinecourse/course/43517)

## Exercise: Inclusion-Exclusion Principle

- **วิชชาภัทร จินดาภัก** previously submitted answers to this quiz/test on 25-Oct-2023 @ 11:23:44 and obtained **5** correct answers out of **5**.
- This test/quiz can be taken many times.
- Correct answers will NOT be revealed after submission.

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1 How many positive integers not exceeding 1000 are divisible by 11 or 13?

90

76

160

166

From previous attempt

2 How many permutations of the 10 digits either begin with the 3 digits 987, contain the digits 45 in the fifth and sixth positions, or end with the 3 digits 123?

5040

8539

50138

3628800

From previous attempt

3 How many different strings of length 8 could you build from rearranging MMAATTHH so that there's no two consecutive alphabets?

empt

24

384

864

39600

From previous attempt...

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4 How many solutions does the equation  $x_1 + x_2 + x_3 = 17$  have where  $x_1, x_2, x_3$  are nonnegative integers?

1

3

5

17

None of the above

From previous attempt

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5 How many derangements are there of a set with seven elements?

7

49

1854

5040

From previous attempt

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