Exercise: Generalized Permutations & Combinations

- **วิชชาภัทร จินดานาถ** previously submitted answers to this quiz/test on 24-Oct-2023 @ 10:58:41 and obtained **8** correct answers out of **8** .
- This test/quiz can be taken many times.
- Correct answers will NOT be revealed after submission.

undefined

1 The little red riding hood has to visit her grandmother and she has to deliver some delicious fruits: APPLE, ORANGE, CHERRY and STRAWBERRY. She has 6 different baskets to pick them in. How many different ways she can pick fruits to the baskets if she can only assign 1 type of fruit for each basket? (She do not have to pick all kinds of fruits)

From previous attempt

P(6,4)

C(6,4)

6^4

4^6

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2 Use this information to answer Question 2-4

After the little red riding hood prepared her baskets, she found a beautiful garden consisting of SUNFLOWER, ROSE, VIOLET, TULIP, and CARNATION. She thinks she should pick those flowers for her grandmother, but she can pick at most 10 flowers.

From previous attempt

How many different ways she can pick the flowers?(No condition)

C(14,4)

C(15,5)

P(14,4)

P(15,5)

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3 How many different ways she can pick the flowers if she have to pick at least 1 SUNFLOWER and 2 VIOLET?

From previous attempt

C(11,4)

C(12,5)

P(11,4)

P(12,5)

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4 How many different ways she can pick the flowers if she have to pick have to pick exactly 10 flowers?

From previous attempt

C(14,4)

C(15,5)

P(14,4)

P(15,5)

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5 How many ways are there to distribute five balls into three boxes if each box must have at least one ball in it if both the balls and boxes are labeled?

From previous attempt

10

60

90

150

6

How many ways are there to distribute five balls into three boxes if each box must have at least one ball in it if the balls are labeled, but the boxes are unlabeled?

From previous attempt

- 5
- 10
- 15
- 25

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7 How many ways are there to distribute five balls into three boxes if each box must have at least one ball in it if the balls are unlabeled, but the boxes are labeled?

From previous attempt

- 1
- 2
- 3
- 6

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8 How many ways are there to distribute five balls into three boxes if each box must have at least one ball in it if both the balls and boxes are unlabeled?

From previous attempt

- 1
- 2
- 3
- 6

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Previous (?q=onlinecourse/theatre/27039/2pjpXQDqogbEPXkz)

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