

Assignment4_Group23

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Assignment - Module 4

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Q1. There are 10 people. What are the number of ways in which you can split them into a team of 6 and a team of 4? Additionally, what are the number of ways in which you can split them into two teams of 5 each?

Answer 1:

- Number of ways to split the 10 people in teams of 6 and 4 are:

$${}^{10}C_6 = {}^{10}C_4$$

- Number of ways to split the 10 people in teams of 5 and 5 are:

$$\frac{{}^{10}C_5}{2}$$

This is because the two groups are identical in number. Thus, division by 2.

[1]: 1+1

[1]: 2

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