

Name : \_\_\_\_\_

## Permutations

Sheet 3

List out all the possible permutations.

1) Laptop(L), Mobile(M), Computer(C), Phone(P) - taken two at a time

2) Mathematics (M), English (E)

3)  $\alpha, \beta, \gamma, \omega, \theta$

4) Art(A), Music(M)

5) 2, 5, 3, 7 - taken three at a time

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**Permutations**

List out all the possible permutations.

- 1) Laptop(L), Mobile(M), Computer(C), Phone(P) - taken two at a time

**LM, LC, LP, ML, MC, MP, CL, CM, CP, PL, PM, PC**

- 2) Mathematics (M), English (E)

**ME, EM**

- 3)  $\alpha, \beta, \gamma, \omega, \theta$

**$\alpha\beta, \alpha\gamma, \alpha\omega, \alpha\theta$**

- 4) Art(A), Music(M)

**AMDS, AMSD,  
MSDA, DAMS,  
SDAM, SDMA**

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**$\theta\beta, \theta\gamma, \theta\omega$**

**MS, MDSA, MSAD,  
AM, SMAD, SMDA,**

- 5) 2, 5, 3, 7 - taken three at a time

**235, 237, 253, 257, 273, 275, 325, 327, 352, 357, 372, 375, 523, 527, 532, 537, 572, 573, 723, 725, 732, 735, 752, 753**