

Combinations - II

1. If 2 numbers are randomly chosen from a set of first 6 natural numbers, how many combinations are possible?

Solution:

2. A coin is tossed and a cubical die is rolled. How many different combinations are possible?

Solution:

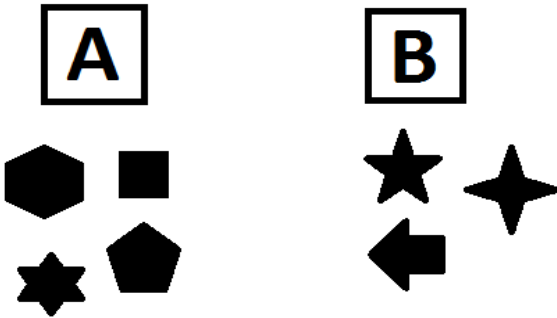
3. Leo needs to decide his meal. He can have either noodles or pizza. He can have either a chocolate or a vanilla shake for a drink. How many different choices does Leo have?

Solution:

4. A book comes in red, blue or black cover. One can also choose between paperback or hard cover. List all the possible outcomes using a tree diagram.

Solution/ Tree Diagram:

5. 2 polygons are chosen from set A and 3 from set B. Find all the possible number of outcomes.



Solution:

6. In how many different ways can two objects be chosen from a set of objects shown below? Assume that all spheres are identical.



Solution: