



## Probability Fundamental Counting Principle - Scenario Counts to Answer

**1** How many different pizzas can you make?

You are putting together a pizza. There are 3 sizes, 2 crusts, and 4 toppings to choose from.

A	24	B	9
C	23	D	25

**2** How many different vacations can you make?

You are putting together a vacation package. There are 3 destinations and 2 hotels to choose from.

A	7	B	5
C	8	D	6

**3** How many different outfits can you make?

You are putting together an outfit. There are 2 shirts, 3 pants, and 5 hats to choose from.

A	30	B	29
C	31	D	10

**4** How many different office setups can you make?

You are putting together a home office setup. There are 3 desks and 2 chairs to choose from.

A	5	B	6
C	8	D	7

**5** How many different vacations can you make?

You are putting together a vacation package. There are 2 destinations and 3 hotels to choose from.

A	8	B	7
C	5	D	6

**6** How many different gift baskets can you make?

You are putting together a gift basket. There are 3 themes and 2 wrappings to choose from.

A	6	B	7
C	5	D	8

**7** How many different cones can you make?

You are putting together an ice cream cone. There are 2 flavors and 3 sauces to choose from.

A	8	B	5
C	7	D	6

**8** How many different avatars can you make?

You are putting together an avatar. There are 2 hairstyles, 3 eye colors, and 5 hat colors to choose from.

A	10	B	30
C	31	D	29