

Name:

## Combinations

1. three cakes- apple cake, plum cake, and strawberry cake.  
three toppings- ice cream, whipped cream, powdered sugar.

How many combinations? Why? (Write in a complete sentence)

2. two dinners- roasted chicken, spaghetti.  
two salads- bean salad, green salad.  
two deserts- ice cream, pudding

How many combinations? Why? (Write in a complete sentence)

3. Bonus question! Your parents are planning an outing in the city. Here are their choices:

- 4 different shops.
- 3 different restaurants.
- 5 different movies.
- 4 different cafes.

How many different ways could they spend the outing? Work this out on the back of this paper.