



Solve each problem.

- 1) At John's Pizza Palace you can order one type of pizza and one drink for \$9. Their menu is shown below.

| Pizza     | Drink |
|-----------|-------|
| Anchovies | Soda  |
| Pepperoni | Punch |
| Cheese    | Juice |
|           | Water |
|           | Milk  |

How many different combinations of pizza and drink do you have to choose from?

- 3) Billy was trying to decide what to wear for his first day of school. The clothes in his closet are listed below.

| Shirt Color | Bottom |
|-------------|--------|
| Green       | Khaki  |
| Yellow      | Capri  |
| Orange      | Shorts |
| White       | Kilt   |
|             | Pants  |

How many different outfits choices does he have?

- 5) At a summer camp a team can choose a name, a color and a mascot. The choices are listed below.

| Name    | Color  | Mascot |
|---------|--------|--------|
| Alpha   | Blue   | Hornet |
| Gamma   | Yellow | Lion   |
| Delta   |        |        |
| Epsilon |        |        |
| Beta    |        |        |

How many different combinations are there to choose from?

- 2) Olivia was trying to decide which salad to order for lunch.

| Salad     | Dressing    |
|-----------|-------------|
| Fruit     | French      |
| Chef      | Ranch       |
| Vegetable | Italian     |
|           | Ginger      |
|           | Vinaigrette |

If each salad comes with 1 dressing, how many different combinations does she have to choose from?

- 4) A baker lets customers pick one type and color of icing and one color of sprinkles. Her menu is below.

| Cake       | Icing  | Sprinkles |
|------------|--------|-----------|
| Strawberry | White  | Purple    |
| Chocolate  | Pink   | Pink      |
|            | Yellow | Yellow    |
|            | Purple |           |

How many different combinations can you choose from?

- 6) A video game lets you choose a characters hair style, hair color and their class. Their choices are listed below.

| Hair Style | Hair Color | Class |
|------------|------------|-------|
| Curly      | Blue       | Thief |
| Long       | Black      | Monk  |
| Short      | Red        |       |
| Spiky      | Green      |       |
| Mowhawk    | Blonde     |       |

How many different combinations do you have to choose from?

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_



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| Mowhawk    | Blonde     |       |

How many different combinations do you have to choose from?

Answers

1. 15
2. 15
3. 20
4. 24
5. 20
6. 50