



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**

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



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**Answers**

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