



Solve each problem.

- 1) A video game lets you choose a character's hair style, hair color and their class. Their choices are listed below.

Hair Style	Hair Color	Class
Short	Blue	Monk
Mowhawk	Brown	Warrior
Long	Black	Archer
		Thief

How many different combinations do you have to choose from?

- 2) Victor 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	Shorts
Blue	Pants
	Khaki
	Kilt
	Capri

How many different outfits choices does he have?

- 3) At a football game Cameron was allowed to get one type of food and one type of drink. The menu is shown below.

Food	Drink
Pizza	Punch
Nachos	Soda
Hotdog	Juice
Burrito	Milk
	Water

How many different combinations does he have to choose from?

- 4) Sarah was trying to decide which salad to order for lunch.

Salad	Dressing
Caesar	Italian
Chef	Ranch
Ham	French
Fruit	Ginger

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

- 5) Carol was allowed to pick one candy and one drink at a Halloween party. The types are listed below.

Candy	Drink
Jelly Beans	Punch
Toffee	Juice
Taffy	
Chocolate	
Nerds	

How many different combinations could she make?

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

Cake	Icing	Sprinkles
Ice Cream	Green	Rainbow
Marble	Purple	Purple
Strawberry	Pink	White
Chocolate	Red	Green
Vanilla		

How many different combinations can you choose from?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



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Answers

1. 36
2. 10
3. 20
4. 16
5. 10
6. 80