



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
Spiky	Red	Warrior
Long	Brown	Archer
Short	Black	Wizard
	Blonde	Monk
		Mage

How many different combinations do you have to choose from?

- 2) 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
Burrito	Juice
Hotdog	
Hamburger	
Nachos	

How many different combinations does he have to choose from?

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

Shirt Color	Bottom
Yellow	Capri
Orange	Pants
Green	Shorts
	Khaki

How many different outfits choices does he have?

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

Cake	Icing	Sprinkles
Lemon	Pink	Rainbow
Strawberry	Red	Pink
Ice Cream	Yellow	Red
		White

How many different combinations can you choose from?

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

Candy	Drink
Nerds	Juice
Chocolate	Lemonade
Toffee	Kool-Aid
	Punch

How many different combinations could she make?

- 6) Will was buying chips and dip for his party. The choices he has are listed below.

Chips	Dip
Round	Ranch
Triangle	Bean
Oval	Cheese
Square	Salsa
	Onion

If he gets one type of chip and one type of dip, how many different combinations can he choose from?

**Answers**

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



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**Answers**

1. 60
2. 10
3. 12
4. 36
5. 12
6. 20