

**Solve each problem.****Answers**

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

Name	Color	Mascot
Delta	Blue	Lion
Epsilon	Yellow	Shark
Beta	Red	Hornet
Alpha		Hawk

How many different combinations are there to choose from?

- 2) Adam 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
White	Capri
Yellow	Kilt
	Shorts

How many different outfits choices does he have?

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

Salad	Dressing
Caesar	Vinaigrette
Ham	French
Vegetable	Ranch
Fruit	Ginger
Chef	Italian

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
Vanilla	Purple	Red
Chocolate	White	Pink
Strawberry	Yellow	Purple
Lemon	Pink	Rainbow
	Green	

How many different combinations can you choose from?

- 5) 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
Burrito	Milk
Nachos	Juice
Pizza	Punch
Hamburger	
Hotdog	

How many different combinations does he have to choose from?

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

Chips	Dip
Round	Cheese
Triangle	Salsa
Scoop	

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

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



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**Answers**

1. **48**
2. **12**
3. **25**
4. **80**
5. **15**
6. **6**