

**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
Alpha	Blue	Lion
Epsilon	Pink	Shark
Gamma	White	
Beta	Yellow	
Delta		

How many different combinations are there to choose from?

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

Chips	Dip
Oval	Bean
Triangle	Cheese
Round	Ranch
Square	
Scoop	

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

- 3) 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	Yellow
Marble	Green	Pink
Ice Cream	Yellow	Red
Strawberry	White	Rainbow
	Pink	Green

How many different combinations can you choose from?

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

Salad	Dressing
Ham	Ranch
Vegetable	French
Caesar	Vinaigrette
Fruit	Italian
Chef	

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

- 5) Emily was creating a card for her friend. She can use one paper color and one sticker from the selection below.

Paper	Sticker
Red	Thumbs up
Green	Heart
Blue	Balloon
Orange	
Yellow	

How many different combinations could she make?

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

Candy	Drink
Jelly Beans	Lemonade
Toffee	Kool-Aid
Taffy	Juice
Chocolate	Punch
Nerds	

How many different combinations could she make?

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



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**Answers**

1. **40**
2. **15**
3. **100**
4. **20**
5. **15**
6. **20**