

**Solve each problem.**

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

Name	Color	Mascot
Beta	Blue	Wolf
Gamma	Black	Pig
		Hornet
		Eagle
		Lion

How many different combinations are there to choose from?

- 2) 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
Green	Capri
Yellow	Shorts
Orange	

How many different outfits choices does he have?

- 3) At Dave's Pizza Palace you can order one type of pizza and one drink for \$9. Their menu is shown below.

Pizza	Drink
Sausage	Punch
Cheese	Milk
Bacon	Juice
Anchovies	
Pepperoni	

How many different combinations of pizza and drink do you have to choose from?

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

Paper	Sticker
Yellow	Smile
Red	Star
	Thumbs up

How many different combinations could she make?

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

Cake	Icing	Sprinkles
Lemon	Red	Red
Vanilla	Purple	Pink
Chocolate	White	Purple
	Green	

How many different combinations can you choose from?

- 6) Paige was trying to decide which salad to order for lunch.

Salad	Dressing
Caesar	Ginger
Ham	French
Vegetable	
Fruit	

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

Answers

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



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Answers

1. **20**
2. **6**
3. **15**
4. **6**
5. **36**
6. **8**