

**Solve each problem.**

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

Shirt Color	Bottom
White	Khaki
Blue	Pants
Orange	Shorts
Yellow	Kilt
	Capri

How many different outfits choices does he have?

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

Name	Color	Mascot
Epsilon	Pink	Wolf
Delta	White	Lion
		Eagle

How many different combinations are there to choose from?

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

Paper	Sticker
Red	Heart
Green	Star
Yellow	

How many different combinations could she make?

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

Pizza	Drink
Bacon	Soda
Anchovies	Water
Pepperoni	Punch

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

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

Salad	Dressing
Caesar	Ranch
Chef	French
Ham	Italian

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

- 6) A video game lets you choose a characters hair style, hair color and their class. Their choices are listed below.

Hair Style	Hair Color	Class
Mowhawk	Black	Thief
Long	Green	Archer
	Brown	Monk
		Mage

How many different combinations do you have to choose from?

**Answers**

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

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**Answers**

- 20**
- 9**
- 12**
- 9**
- 6**
- 24**