

**Solve each problem.**

- 1) Dave 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
Blue	Pants

How many different outfits choices does he have?

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

Name	Color	Mascot
Alpha	Red	Lion
Epsilon	Yellow	Shark
Delta	Blue	Wolf
Beta		Eagle

How many different combinations are there to choose from?

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

Paper	Sticker
Blue	Star
Red	Smile

How many different combinations could she make?

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

Candy	Drink
Toffee	Lemonade
Chocolate	Soda
Taffy	Punch
Nerds	

How many different combinations could she make?

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

Chips	Dip
Oval	Cheese
Round	Bean
Triangle	Salsa
	Ranch

If he gets one type of chip and one type of dip, how many different combinations can he 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
Long	Blonde	Monk
Curly	Red	Thief
Short	Brown	Warrior
	Green	Archer
	Blue	Wizard

How many different combinations do you have to choose from?

**Answers**

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



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**Answers**

1. **4**
2. **48**
3. **4**
4. **12**
5. **12**
6. **75**