



Solve each problem.

- 1) A video game lets you choose a character's hair style, hair color and their class. Their choices are listed below.

| Hair Style | Hair Color | Class |
|------------|------------|---------|
| Spiky | Red | Warrior |
| Long | Brown | Archer |
| Short | Black | Wizard |
| | Blonde | Monk |
| | | Mage |

How many different combinations do you have to choose from?

- 2) 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 |
|-----------|-------|
| Pizza | Punch |
| Burrito | Juice |
| Hotdog | |
| Hamburger | |
| Nachos | |

How many different combinations does he have to choose from?

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

| Shirt Color | Bottom |
|-------------|--------|
| Yellow | Capri |
| Orange | Pants |
| Green | Shorts |
| | Khaki |

How many different outfits choices does he have?

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

| Cake | Icing | Sprinkles |
|------------|--------|-----------|
| Lemon | Pink | Rainbow |
| Strawberry | Red | Pink |
| Ice Cream | Yellow | Red |
| | | White |

How many different combinations can you choose from?

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

| Candy | Drink |
|-----------|----------|
| Nerds | Juice |
| Chocolate | Lemonade |
| Toffee | Kool-Aid |
| | Punch |

How many different combinations could she make?

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

| Chips | Dip |
|----------|--------|
| Round | Ranch |
| Triangle | Bean |
| Oval | Cheese |
| Square | Salsa |
| | Onion |

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

Answers

- _____
- _____
- _____
- _____
- _____
- _____



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| | Onion |

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

Answers

1. **60**
2. **10**
3. **12**
4. **36**
5. **12**
6. **20**