

**Solve each problem.****Answers**

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

Chips	Dip
Round	Bean
Scoop	Salsa
Square	Onion

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

- 2) 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
Green	Pants
Yellow	Capri
White	Kilt
Orange	
Blue	

How many different outfits choices does he have?

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

Candy	Drink
Nerds	Kool-Aid
Taffy	Punch
Toffee	
Jelly Beans	

How many different combinations could she make?

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

Salad	Dressing
Ham	Ranch
Fruit	Vinaigrette
Caesar	French

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

- 5) 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
Short	Blonde	Thief
Long	Blue	Wizard
Curly	Green	Mage
Spiky	Brown	
Mowhawk	Red	

How many different combinations do you have to choose from?

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

Cake	Icing	Sprinkles
Lemon	Yellow	Yellow
Ice Cream	Red	Pink
Chocolate	White	Rainbow
Marble	Pink	
Strawberry	Green	

How many different combinations can you choose from?

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

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Answers

1. **9**
2. **15**
3. **8**
4. **9**
5. **75**
6. **75**