

**Solve each problem.**

- 1) 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
White	Capri
Orange	Kilt
Blue	Khaki
Yellow	
Green	

How many different outfits choices does he have?

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

Cake	Icing	Sprinkles
Vanilla	Green	Red
Marble	Yellow	Purple
Lemon		Green
Ice Cream		Yellow

How many different combinations can you choose from?

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

Pizza	Drink
Pepperoni	Water
Cheese	Milk
Anchovies	Punch
Bacon	
Sausage	

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

- 4) Emily 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	Heart
	Thumbs up
	Smile

How many different combinations could she make?

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

Candy	Drink
Toffee	Soda
Taffy	Lemonade
Nerds	
Chocolate	
Jelly Beans	

How many different combinations could she make?

- 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
Spiky	Brown	Wizard
Long	Red	Archer
Mowhawk		Thief
Short		Mage
		Warrior

How many different combinations do you have to choose from?

Answers

- _____
- _____
- _____
- _____
- _____
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Answers

1. **15**
2. **32**
3. **15**
4. **8**
5. **10**
6. **40**