



Solve each problem.

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

Cake	Icing	Sprinkles
Lemon	White	Red
Vanilla	Green	White
Marble	Red	Purple
	Purple	Pink
		Rainbow

How many different combinations can you choose from?

- 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	Pink	Wolf
Epsilon	Red	Eagle
Beta	Black	Shark
Gamma	Yellow	Pig
Delta		

How many different combinations are there to choose from?

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

Chips	Dip
Round	Cheese
Square	Bean
Scoop	Ranch

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

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

Paper	Sticker
Green	Thumbs up
Yellow	Balloon
Blue	Heart
Red	Star

How many different combinations could she make?

- 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
Long	Blonde	Warrior
Curly	Blue	Mage
Short	Red	Thief
Mohawk	Brown	Monk
Spiky	Green	

How many different combinations do you have to choose from?

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

Candy	Drink
Chocolate	Soda
Jelly Beans	Kool-Aid
Nerds	Punch
Taffy	Lemonade
Toffee	

How many different combinations could she make?

Answers

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



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Answers

1. 60
2. 80
3. 9
4. 16
5. 100
6. 20