

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

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

Cake	Icing	Sprinkles
Vanilla Ice Cream Marble Strawberry Chocolate	Purple Green	Purple Pink

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 Beta	Blue Yellow Pink	Pig Eagle

How many different combinations are there to choose from?

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

Chips	Dip
Oval Triangle Scoop Square	Cheese Bean Onion Ranch Salsa

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

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

Paper	Sticker
Blue Green Yellow Red	Balloon Thumbs up Heart Star

How many different combinations could she make?

- 5) Maria was trying to decide which salad to order for lunch.

Salad	Dressing
Fruit Chef Caesar Ham	Ranch Ginger Italian

If each salad comes with 1 dressing, how many different combinations does she have to 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
Spiky Mowhawk Long Curly Short	Brown Green Red Blonde	Wizard Warrior Thief Monk

How many different combinations do you have to choose from?

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



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Answers

1. **20**
2. **12**
3. **20**
4. **16**
5. **12**
6. **80**