



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
Marble	White	Yellow
Strawberry	Purple	Rainbow
	Pink	White
	Yellow	
	Green	

How many different combinations can you choose from?

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

Shirt Color	Bottom
Orange	Khaki
Green	Shorts
Yellow	Pants
Blue	Kilt
	Capri

How many different outfits choices does he have?

- 3) Rachel was trying to decide which salad to order for lunch.

Salad	Dressing
Fruit	Italian
Vegetable	Vinaigrette
Chef	Ginger
Ham	French

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

- 4) 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	Blue	Wizard
Curly	Red	Archer
	Green	
	Brown	

How many different combinations do you have to choose from?

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

Chips	Dip
Scoop	Ranch
Square	Cheese
Triangle	Onion
	Bean

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

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

Pizza	Drink
Bacon	Punch
Pepperoni	Soda
Sausage	
Anchovies	

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

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



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Answers

1. **30**
2. **20**
3. **16**
4. **16**
5. **12**
6. **8**