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
Mowhawk	Blue	Wizard
Long	Red	Thief
Curly	Brown	
Spiky	Blonde	
Short		

How many different combinations do you have to choose from?

Identifying Combination Amounts

Solve each problem.

1) Jerry 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
Blue	Kilt
Green	Shorts
	Pants

How many different outfits choices does he have?

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

Pizza	Drink
Bacon Sausage	Juice Soda
Anchovies Cheese	Punch

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

2) At a football game Cameron was allowed to get one type of food and one type of drink. The menu is shown below.

Name:

Food	Drink
Burrito Hamburger	Juice Soda Water Punch

How many different combinations does he have to choose from?

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

Cake	Icing	Sprinkles
Ice Cream	Purple	Purple
Strawberry	Red	Yellow
Chocolate		
Lemon		
Marble		

How many different combinations can you choose from?

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

Paper	Sticker	
Yellow	Thumbs up	
Green	Balloon	
Red	Heart	
Orange	Star	
	Smile	

How many different combinations could she make?

<u>Answers</u>

Solve each problem.

1) Jerry 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
Blue	Kilt
Green	Shorts
	Pants

How many different outfits choices does he have?

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

Pizza	Drink
Bacon	Juice
Sausage Anchovies	Soda Punch
Cheese	

How many different combinations of pizza and drink do you 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
Mowhawk Long Curly Spiky Short	Blue Red Brown Blonde	Wizard Thief

How many different combinations do you have to choose from?

2) At a football game Cameron was allowed to get one type of food and one type of drink. The menu is shown below.

Food	Drink
Burrito Hamburger	Juice Soda Water Punch

Identifying Combination Amounts

How many different combinations does he have to choose from?

 Answers

 1.
 12

 2.
 8

 3.
 12

 4.
 20

 5.
 40

 6.
 20

Answer Key

Name:

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

Cake	Icing	Sprinkles
Ice Cream	Purple	Purple
Strawberry	Red	Yellow
Chocolate		
Lemon		
Marble		

How many different combinations can you choose from?

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

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Yellow	Thumbs up	
Green	Balloon	
Red	Heart	
Orange	Star	
	Smile	

How many different combinations could she make?