Name: _____

Solve each problem.

1) At a summer camp a team can choose a name, a color and a mascot. The choices are listed below.

Name	Color	Mascot
Gamma	Black	Wolf
Beta	Yellow	Shark
Alpha	Blue	Lion
Delta		

How many different combinations are there to choose from?

2) Edward was buying chips and dip for his party. The choices he has are listed below.

Chips	Dip
Triangle	Salsa
Square	Onion
Oval	
Scoop	

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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

Candy	Drink
Nerds	Kool-Aid
Chocolate	Punch
Taffy	
Toffee	

How many different combinations could she make?

4) Paul 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
Blue	Kilt
Orange	Khaki

How many different outfits choices does he have?

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

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

How many different combinations could she make?

6) Bianca was trying to decide which salad to order for lunch.

Salad	Dressing
Fruit	Ranch
Ham	Ginger
Vegetable	Vinaigrette
Caesar	
Chef	

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

Answer Key

Solve each problem.

1) At a summer camp a team can choose a name, a color and a mascot. The choices are listed below.

Name	Color	Mascot
Gamma Beta Alpha Delta	Black Yellow Blue	Wolf Shark Lion

How many different combinations are there to choose from?

2) Edward was buying chips and dip for his party. The choices he has are listed below.

Chips	Dip
Triangle Square Oval Scoop	Salsa Onion

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

1. _____ **36**

2. _____ **8**

3. _____ **8**

4. _____ **9**

5. _____ **25**

6. _____ **15**

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

Candy	Drink
Nerds Chocolate Taffy Toffee	Kool-Aid Punch

How many different combinations could she make?

4) Paul 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 Blue Orange	Capri Kilt Khaki

How many different outfits choices does he have?

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

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

How many different combinations could she make?

6) Bianca was trying to decide which salad to order for lunch.

Salad	Dressing
Fruit Ham Vegetable Caesar Chef	Ranch Ginger Vinaigrette

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