

Genetic traits are characteristics that are passed from the parents to their children. Children receive half of their traits from their mother and half from their father. Some traits have a wide variety (eye color, hair color), while others have only two possible forms. In this activity you will identify some common genetic traits and find the percent of students in our class that possess each.

Complete the table below with your partner.

Trait	Description	You	Class Total	
Handedness	(A) Left or (B) Right			
Hairline	(A) Straight or (B) Peaked			
Dimples	(A) Yes or (B) No			
Freckles	(A) Yes or (B) No			
Hair Whorl	(A) Clockwise or (B) Counterclockwise			
Ear Lobe	(A) Free or (B) Attached			
Tongue	(A) Roller or (B) Non-roller			

Find the percent of each trait in the class and complete the table below. Round to the nearest tenth.

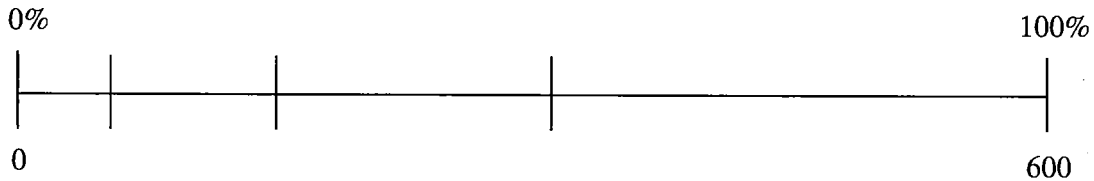
Trait	Class Percent			
Handedness	Left		Right	
Hairline	Straight		Peaked	
Dimples	Yes		No	
Freckles	Yes		No	
Hair Whorl	Clockwise		Counterclockwise	
Ear Lobe	Free		Attached	
Tongue	Roller		Non-roller	

1.	Do the traits add up to 100%? Explain why or why not?	
2.	What is the most common trait in our class?	
3.	Do we have any traits evenly distributed throughout our class?	

Gallop surveyed people in the United States concerning their favorite food.

Favorite Foods in America (yes, this was a true survey)

1.	Hamburgers	4.	Oreo Cookies	7.	Ice cream
2.	Hot Dogs	5.	Pizza	8.	Donuts
3.	French Fries	6.	Chicken Tenders	9.	Potato Chips



The following questions are based only on the 600 people who voted for hamburgers, hot dogs, french fries, or pizza.

1.	10% voted for pizza. How many people voted for pizza?	
2.	25% voted for hot dogs. How many people voted for hot dogs?	
3.	50% voted for hamburgers. How many people voted for hamburgers?	
4.	15% voted for French fries. How many people voted for French fries?	
5.	What percentage of people did not vote for French fries?	
6.	How many people did not vote for pizza?	
7.	What percentage of people did not vote for hot dogs?	

Number	0%	10%	25%	50%	100%
20					
40					
120					
800					

%	Pattern
0	
10	
25	
50	
100	