



* Traits are individual qualities of a person.
* An individual has many traits and an individual's overall combination of traits is what makes them unique.
* Traits can be physical, behavioral, or medical.
* Traits can be influenced by genetics or environments.

**Procedure:**

* Fill out the Individual Traits Survey about yourself.
* When you have your survey filled out, compare your traits with your table partners.
* Next we will collect the data from the entire class and create a table to display the results.
* Finally, you will convert the findings to percentages and record your finding on the chart on the back of your survey.
* As a class, we will create a bar graph of our results and we will create pie charts of our traits to display.

|  |  |  |
| --- | --- | --- |
| Males | Females | Class Total |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Trait | Type of Trait | YES | NO |
| Detached Earlobes |  |  |  |
| Tongue Rolls |  |  |  |
| Dimples |  |  |  |
| Right-Handed |  |  |  |
| Freckles |  |  |  |
| Curly Hair |  |  |  |
| Cleft Chin |  |  |  |
| Allergies |  |  |  |
| Hitchhiker's Thumb |  |  |  |
| Widow's Peak |  |  |  |
| Longer Ring Finger |  |  |  |
| Shorter Big Toe |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Black | Blonde | Brown | Red |
| Hair Color |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Blue | Brown | Blue-Green | Green | Hazel |
| Eye Color |  |  |  |  |  |

Complete this survey to find out what observable traits you have!

1. I am a Male Female
2. I have detached earlobes Yes No
3. I can roll my tongue Yes No
4. I have dimples Yes No
5. I am right-handed Yes No
6. I have freckles Yes No
7. I have naturally curly hair Yes No
8. I have a cleft chin Yes No
9. I have allergies Yes No
10. I have a hitchhiker's thumb Yes No
11. I have a Widow's Peak hairline Yes No
12. My ring finger is longer Yes No

than my index finger

1. My big toe is shorter Yes No

than my second toe

1. My hair color is:
2. My eye color is: \_\_\_\_\_\_\_\_\_\_\_\_

Using the class data, calculate the percentage of students with each trait using the equation below.

 **) X 100 = \_\_\_\_\_\_\_ % YES**

**(** $\frac{number of students with trait YES}{number of students in the class}$

If you know the % YES, you can find the % NO by subtracting.

\***REMEMBER** there should be a total of 100% for each trait!\*

|  |  |  |
| --- | --- | --- |
| Trait | % YES | % NO |
| Detached Earlobes |  |  |
| Tongue Rolls |  |  |
| Dimples |  |  |
| Right-Handed |  |  |
| Freckles |  |  |
| Curly Hair |  |  |
| Cleft Chin |  |  |
| Allergies |  |  |
| Hitchhiker's Thumb |  |  |
| Widow's Peak |  |  |
| Longer Ring Finger |  |  |
| Shorter Big Toe |  |  |

Now calculate the percentages of each hair and eye color.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | % Black | % Blonde | % Brown | % Red |
| Hair Color |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | % Blue | % Brown | % Blue-Green | % Green | % Hazel |
| Eye Color |  |  |  |  |  |