

**Purpose:** To be able to understand, identify & use *Qualitative & Quantitative Data*.

**Instructions:** Fill out the Data Table with definitions or the concepts listed below together with your lab station team while reading & discussing the Activity.

<b>Data Table One – Qualitative &amp; Quantitative concepts (2pts ea.) <i>The job is 36pts total</i></b>	
<b>Concept or Definition</b>	<b>Tell the meaning of the concepts or definitions in the space below</b>
<b>Hypothesis</b>	<b>1.</b>
<b>What is Data used for?</b>	<b>1.</b>
<b>Why use a larger sample size?</b>	<b>1.</b>
<b>Qualitative Data</b>	<b>1.</b>
<b>Quantitative Data</b>	<b>1.</b>

Please answer the following questions or activities below on your OWN. Use complete, quality and correct sentences reflecting the questions on this paper in INK, or on a separate sheet of paper if you need room.

1. (4 pt) STT3 - You notice a skateboard for sale on an Internet website. The price is good, but the website provides no picture or other information. Describe 3 types of qualitative data you would like to have before you decide to buy the skateboard.

- a.
- b.
- c.

2. (4 pts) STT4 - Imagine you are at a large store with a friend when suddenly you turn around and she's not with you any more. You look, but can't see her anywhere. You ask a store employee if he has seen her. You describe your friend as a tall 3 year old girl with short brown hair, brown eyes, a red jacket, two braids, and a dimple when she smiles.

**Task:** Read the description above. Then create a data table listing each of her qualitative and quantitative characteristics below.

**Activity 7 – Studying People Qualitatively & Quantitatively**

Name \_\_\_\_\_

Period \_\_\_\_\_

#2 Draw Data Table here

**3. You decide to take a medicine for your upset stomach. You have a choice of two medicines. Both medicines are advertised as safe based on clinical trials. Medicine A was tested on 100 people, while Medicine B was tested on 10,000 people.**

**a. (4 pt) Tell which medicine you would take AND explain why using evidence from above.**

**b. (2 pt) Explain if your decision was based on qualitative or quantitative information.**

**4. Imagine conducting a clinical trial of a headache medicine. Based on your research, you hypothesize that the medicine will successfully treat headaches in people. Before the Food and Drug Administration (FDA) will approve your study, you must explain the type of data you will collect to test your hypothesis.**

**a. List at least three kinds of qualitative data you will collect.**

**(Hint: Think about what information you would collect from the volunteers and what information you would collect about the medicine in order to determine the safety and effectiveness of the medicine.)**

**1. (2 pt)**

**2. (2 pt)**

**3. (2 pt)**

**b. List at least three kinds of quantitative data you will collect.**

**(Hint: Think about what information you would collect from the volunteers and what information you would collect about the medicine in order to determine the safety and effectiveness of the medicine.)**

**1. (2 pt)**

**2. (2 pt)**

**3. (2 pt)**