Qualitative vs. Quantitative Data

Qualitative observations are where you observed a quality about an object and described that object (it smelled good, it was green, etc.). Another type of observation is quantitative, meaning that it can be measured in concrete numerical terms (25 cm, 3 pools, etc.).

Determine if a statement is qualitative or quantitative and write **Quan** or **Qual** on the line.

1. _____ The cup had a mass of 454 grams.

2. _____ The temperature outside is 25 degrees C.

3. _____ It is warm outside.

4. _____ The tree is 30 feet tall.

5. _____ The building has 25 stories.

6. _____ The building is taller than the tree.

7. _____ The sidewalk is long.

8. _____ The sidewalk is 100 meters long.

9. _____ The race was over quickly.

10. _____ The race lasted 10 minutes.

11. _____ Salad is multicolored, but mostly green.

12. _____ The tennis game was 3 hours long.

13. _____ The tennis ball weighs 50 grams.

14. _____ My comp book is 30 centimeters wide.

15. _____ The book was heavy.

16. _____ Olympic athletes are good at their sports.

17. _____ Miss Johnson is just as good at sports as Olympic athletes.

18. _____ The table was filled and had 30 pounds of food on it.

For each example below, make one qualitative AND one quantitative data observations each.

1. The American flag

2. The cubbies in the back of Miss Johnson's classroom

3. The agenda board

4. The posters on Miss Johnson's walls

5. Miss Johnson's tables

In complete sentences, write two paragraphs below. One paragraph should be about qualitative data points and one should be about quantitative data points. Describe and give examples for each type of data point.