



Super Bubbles



Patrick and SpongeBob love to blow bubbles! Patrick found some Super Bubble Soap at Sail-Mart. The ads claim that Super Bubble Soap will produce bubbles that are twice as big as bubbles made with regular bubble soap. Patrick and SpongeBob made up two samples of bubble solution. One sample was made with 5 oz. of Super Bubble Soap and 5 oz. of water, while the other was made with the same amount of water and 5 oz. of regular bubble soap. Patrick and SpongeBob used their favorite bubble wands to blow 10 different bubbles and did their best to measure the diameter of each one. The results are shown in the chart below.

Bubbles
(Diameter in centimeters)

Bubble	Super Bubble	Regular Soap
1	15	10
2	10	5
3	12	16
4	18	14
5	22	11
6	13	12
7	16	11
8	18	15
9	15	15
10	12	6



Answer the following questions using pencil with complete sentences.

1. What did the Super Bubble ads claim? _____

2. What is the independent variable? _____

3. What is the dependent variable? _____

4. Graph the data using a multiple line graph. *Be sure to follow your rules for graphing.

5. Look at the results in the chart.

a. Calculate the average diameter for each bubble solution.

Super Bubble = _____ cm

Regular Soap = _____ cm



b. What should their conclusion be? _____

6. Are the results reliable? Why or why not? _____
