Warm-up 9-9 Type1

Review Spongebobs “Marshmallow Muscles” (Your hot pink notes).

1. What is one claim/conclusion that Larry can make about the evidence shown in the data table?
2. What is one quantitative piece of evidence that you could make to support Larry’s claim?
3. What is one qualitative piece of evidence that you could make to support Larry’s claim?
4. Which graph below, best represents the data table from Marshmallow muscles?

Warm-up 9-10 Type 2

Observe what is set up around the room (but don’t touch!!! Safety rules!!)

1. What is one claim that you can make about what we are doing in class today?
2. Give one qualitative observation to support your claim.
3. Give one quantitative observation to support your claim.
4. What is the independent variable?
5. What is the dependent variable?
6. What is the control or control group?

Warm-up 9-11 Type 2

In our penny boat lab…..

1. What is the independent variable?
2. What is the dependent variable?
3. What are some of the controls we have to make this a fair and reliable experiment?

Warm-up 9-12 Type 2

Mrs. Giblin was buying foil for her penny boat lab. She usually buys Reynolds foil but saw that the Walmart brand was much cheaper. She wondered if the Walmart brand was as strong as the Reynolds, which claims to be the strongest. She decides to test both on her science students. She gives half of them the Reynolds wrap to make their boats and the other half the Walmart brand. She kept track of how many pennies each winning boat floated in each class.

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| --- | --- | --- |
| Boats | Reynolds foil | Walmart foil |
| Block 3 | 194 | 132 |
| Block 4 | 156 | 150 |
| Block 5 | 172 | 161 |
| Block 6 | 181 | 144 |

1. What should Mrs. Giblin’s claim be?
2. What is a qualitative observation you could make about the results?
3. What is a quantitative observation you could make about the results?
4. What is the independent variable in this experiment?
5. What is the dependent variable?