

The teacher will need to see all of your work. Check (x) off each one as you use it. Be sure to include the following:

- Pictures, charts, graphs, or t-tables that support your explanation
- A written explanation with detailed sentences
- The equation or number sentence
- The answer (Ask yourself: Is my answer reasonable? Why or why not?)
- The solution in more than one way or related to other situations

Teacher Use Only

Analytical Score:

Understanding N A P E

Strategy/Reasoning N A P E

Communication N A P E

Holistic Score N A P E

Name: _____ Grade: _____ Date: _____

Teacher: _____ School: _____

The Valentine Candy Challenge

In honor of Valentines Day, each of you has been given a box of Necco Tiny Conversation Hearts. I also have a box. Using the candy available in the room, do your best to define the contents of my box. The student who most accurately and specifically defines the contents of my box will receive my box of hearts as well as their own.

You must...

- ✦ Write your conclusion in a letter to me. Your letter must contain a convincing argument on how and why you are sure you have made an accurate prediction
- ✦ Create a chart, table, graph, diagram or model to support your solution.
- ✦ Use as much math language as possible
- ✦ Write at least one sentence telling me something interesting you noticed about your solution.

Guidelines for the working environment:

- You may work alone or with a partner.
- When choosing a partner, you must choose someone with whom you can work appropriately and cooperatively. If one person in your partnership is doing more work than the other, an adult will terminate your partnership and you both will work alone.
- When working in a partnership, each person must have his/her own solution to hand in.
- You may not eat any candies until you get home. If you do, the entire contents of the box will be confiscated.
- The noise level must be conducive to working
- Everyone must cooperate with each other in terms of sharing information about individual boxes of candy, respecting each other's candy, and respecting people's working environment and materials.