A collaborative 3 ACT task

Title: Bubble Trouble

link: https://mscastillosmath.com/2017/07/27/3-act-task-bubble-trouble/

Big Idea: Numbers to 20

Curricular Competencies:

- estimating reasonably
- developing mental math strategies and abilities to make sense of quantities
- visualizing to explore mathematical concepts
- developing and using multiple strategies to engage in problem solving



ACT ONE:

Establishing a Need to Know: watch the 10 second clip. After viewing the short clip, invite students to consider:

What did you notice?	What do you wonder?

and jot down the ideas as students share their thinking...

Driving Question: How many piece of bubble gum are in the bag?

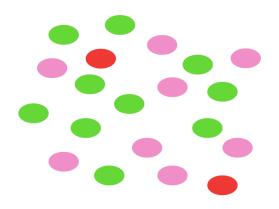
Estimating: invite students to think of a reasonable estimate for how many bubble gums would be too few, and a reasonable estimate for how many bubble gums would too many in the bag.

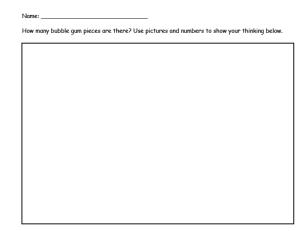
A too low estimate:	A too high estimate:

ACT TWO:

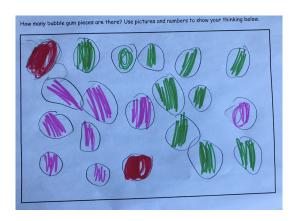
What information would be helpful to know for solving this investigation?

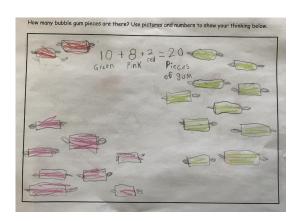
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Students will now work to solve the investigation.





ACT THREE:

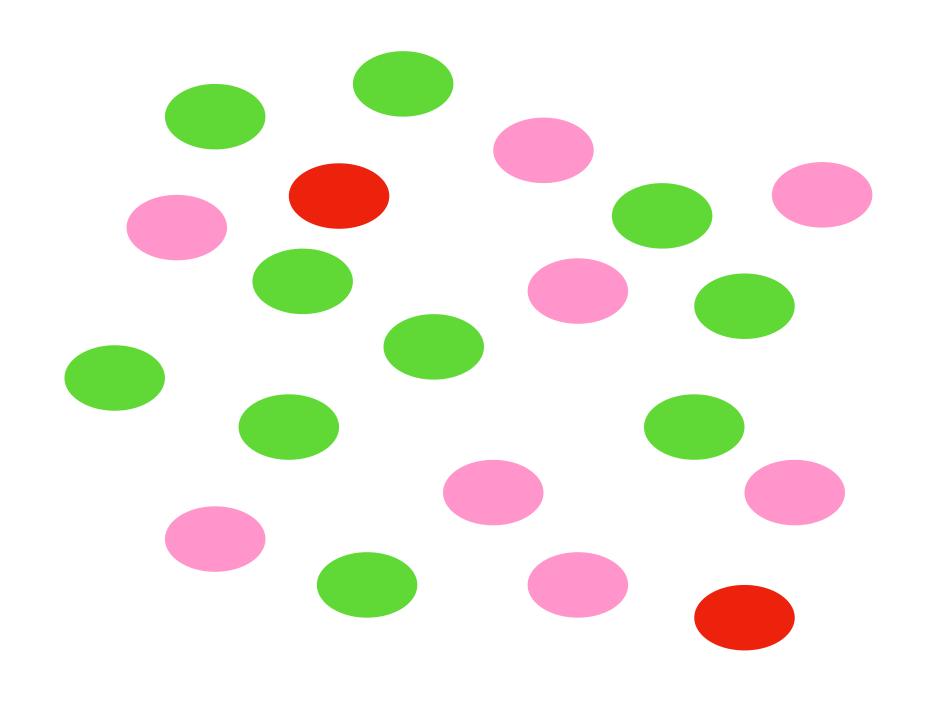
Share the clip that reveals the solution. Invite students to communicate their strategies for arriving at the solution for how many bubble gums were in the bag.

Whole Group reflection:

Strengths: What worked (What strategies did you use to work toward a solution)?

Stretches: What was difficult?

Next steps: What would you do differently next time?



Name:		
How many bubble gum pieces are there? Use pictures and numbers to show your thinking below.		