

# A Collaborative 3 ACT Task

Title: Humpty Dumpty      link: <https://gfletchy.com/humpty-dumpty/>

**Big Idea:** addition and subtraction within 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 20 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 eggs broke?*

**Estimating:** invite students to think of a reasonable too few estimate for how many eggs in the carton broke, and a reasonable too many estimate for how many eggs in the carton broke.

A too low estimate:	A too high estimate:

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### ACT TWO:

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

How many eggs were in the carton to start? How many eggs didn't break?

There were 9 eggs in the carton to begin.



Students will now work in visibly random teams of two to solve the investigation using one dry erase marker, one eraser and a large non-permanent surface. The teacher will circulate, observing and listening for learners communicating with purpose, thinking creatively and representing understanding in more than one way, and learners contributing while supporting one another.

### ACT THREE:

Share the photograph that reveals the solution.  
Invite students to communicate their strategies for arriving at the solution for how many eggs broke.



### 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?