

Playing with Your Math



Our Friends at GCTM



Georgia Council of
Teachers of Mathematics

#GMC2023



@gctm_math

Email pics to...

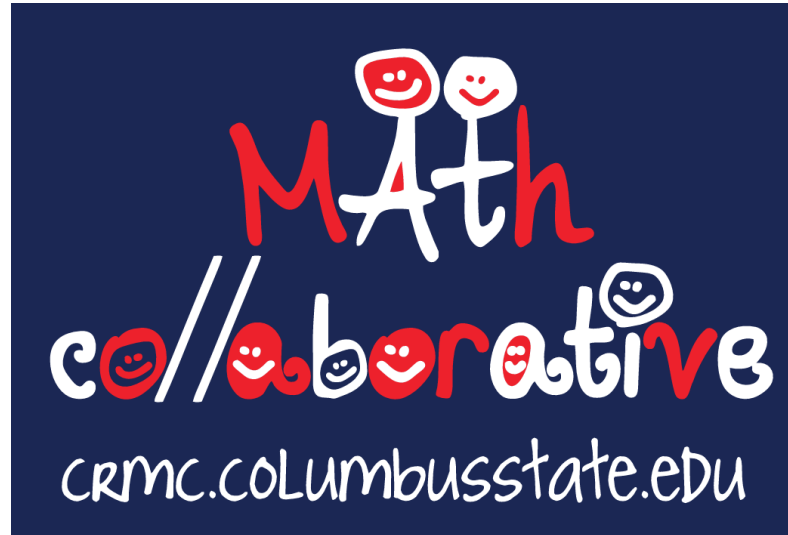
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for

possible inclusion in

eReflections

Who We Are



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Train the class by playing

– Today we start with a card Trick



Link to video:
[Card Trick](#)

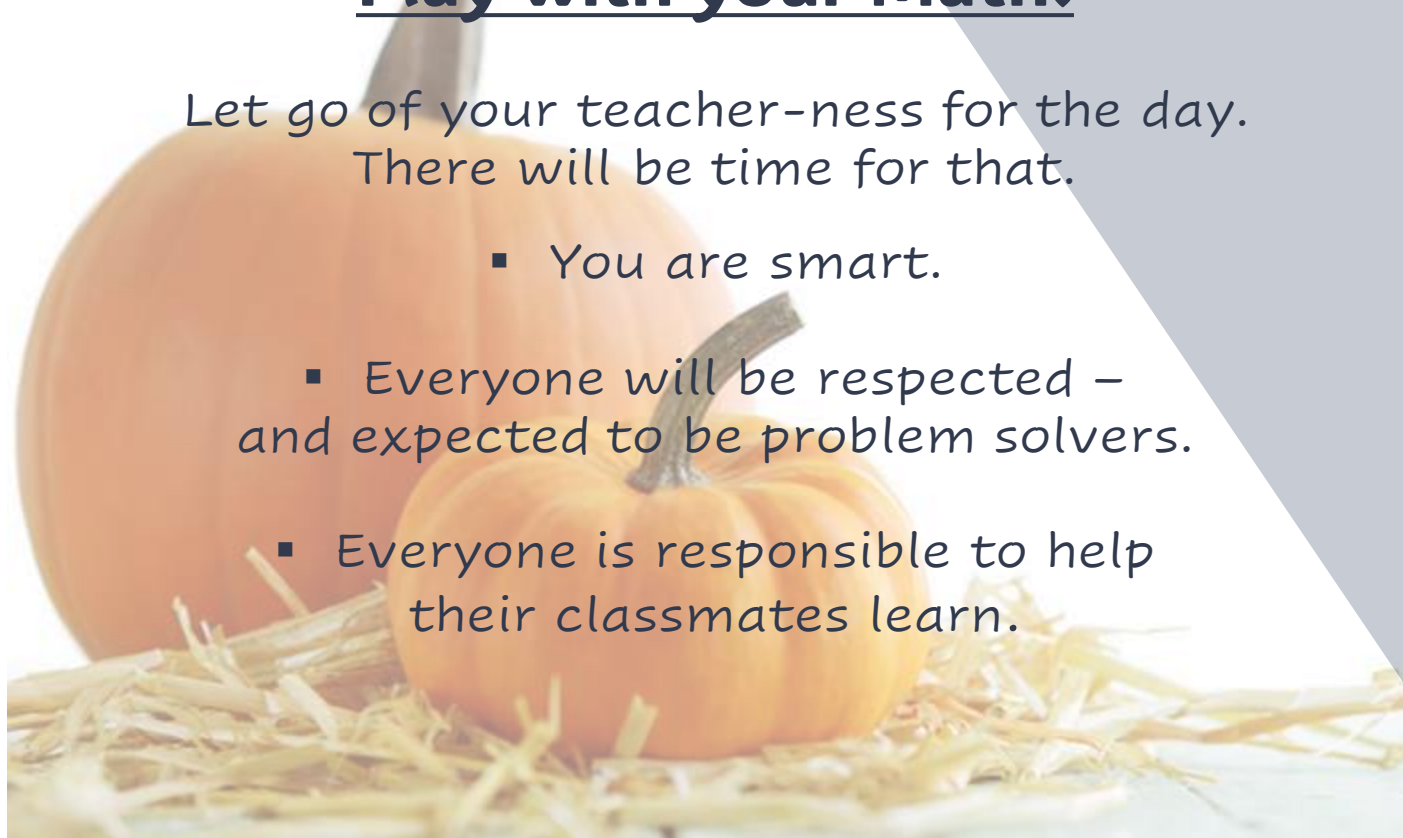


Your Guide for Today

Play with your Math!

Let go of your teacher-ness for the day.
There will be time for that.

- You are smart.
- Everyone will be respected – and expected to be problem solvers.
- Everyone is responsible to help their classmates learn.



Learning Goals for Today

Learn how to:

1. Focus on student engagement in a task.
2. Build Building Thinking Classroom principles into Learning Plan Tasks with a focus on flow.
3. Play a **little** and learn **a lot!**



Frame of Reference

**Learning Math to
Solve Problems**

vs.

**Solving Problems to
Learn Math**



Bag in a Bag

This is a bag and
a bag and a bag.

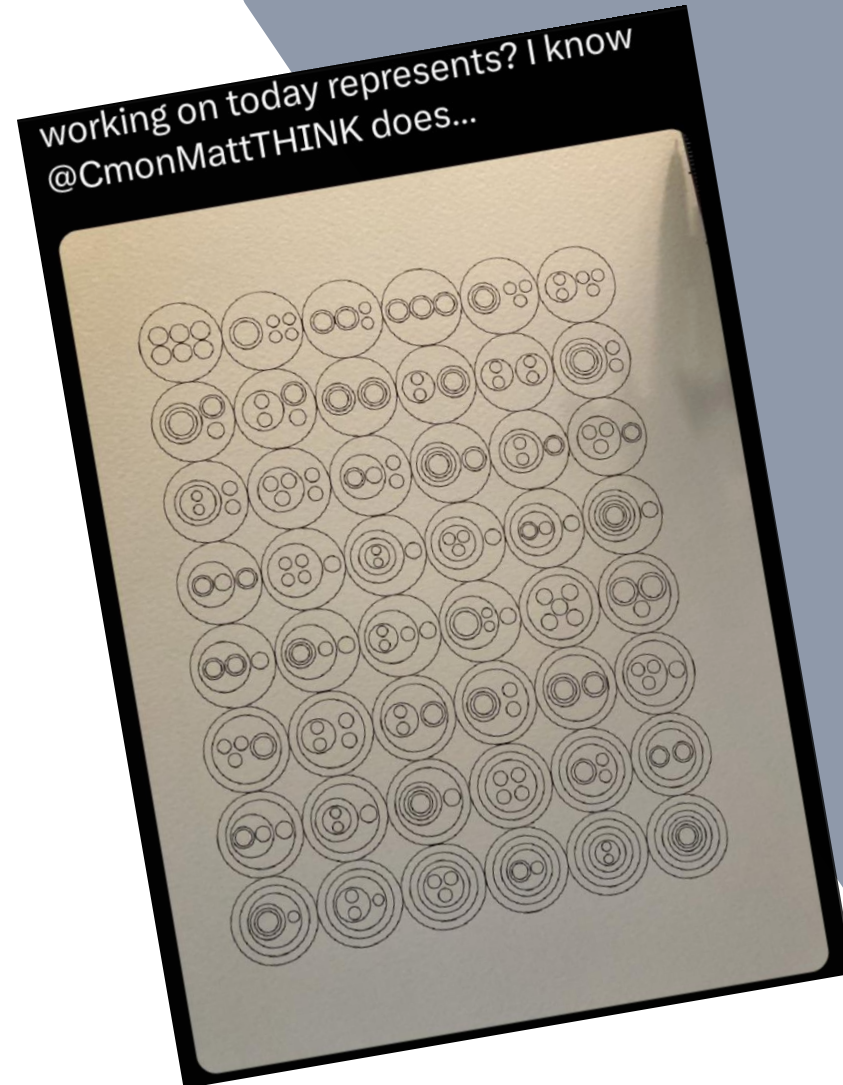


This is a bag in a
bag and a bag.



Q:
"How many
ways can
five plastic
bags be
stored?"

Solution for Six Bags



1, 2, 3...

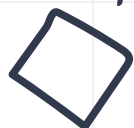
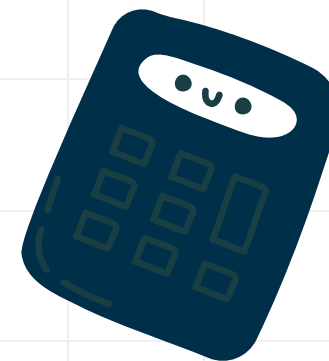


Seed Numbers!

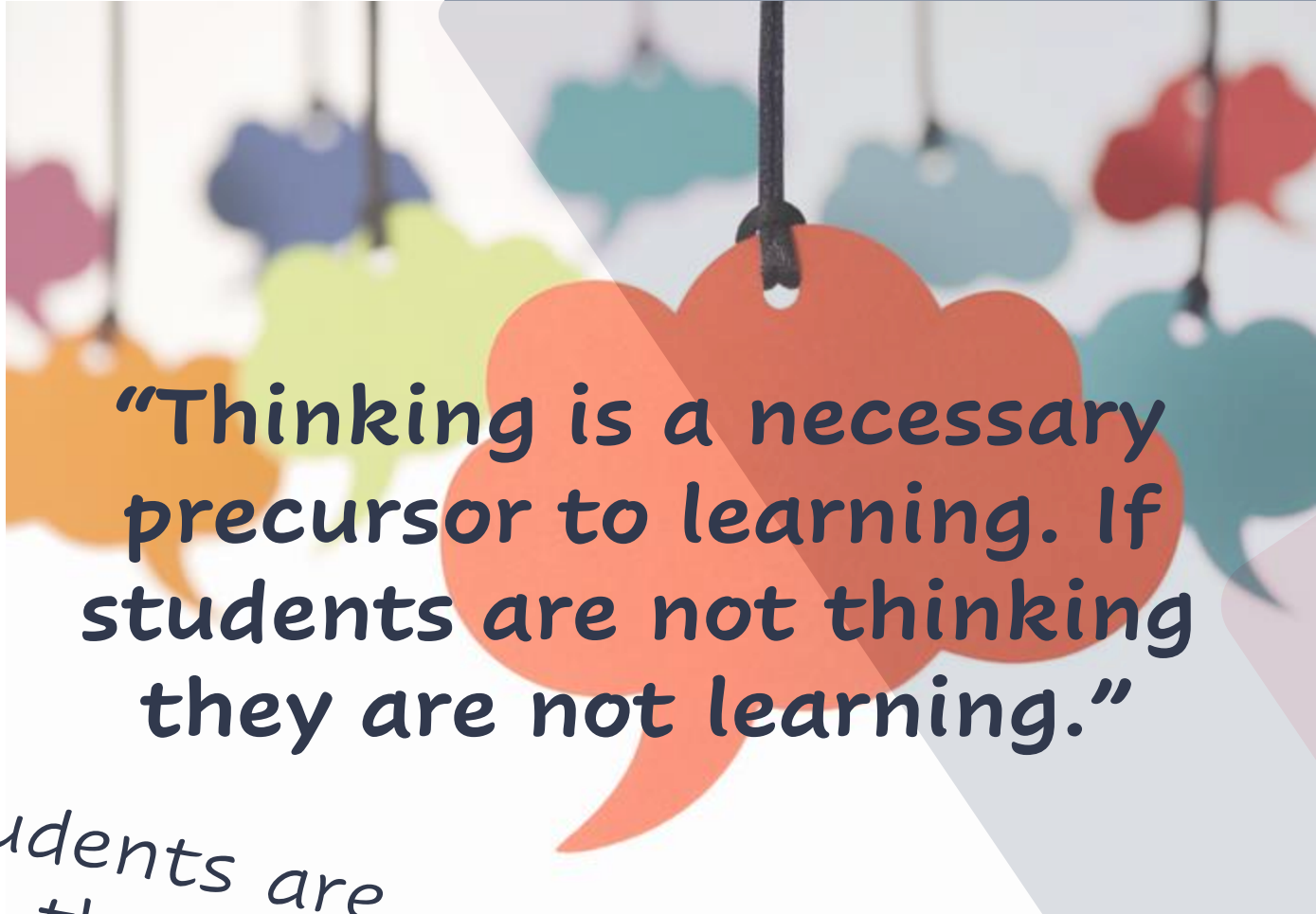


Consider two whole numbers.

- These will be the first two numbers.
- The third number is the sum of the first two.
- The fourth is the sum of the previous two and so on.
- What do the first two numbers have to be such that the fifth number is 100?



The Reason for a 'Thinking' Classroom:



“Thinking is a necessary precursor to learning. If students are not thinking they are not learning.”

If students are playing, they are

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The form is available electronically. Complete the survey at <https://tinyurl.com/2023GMCjoy>

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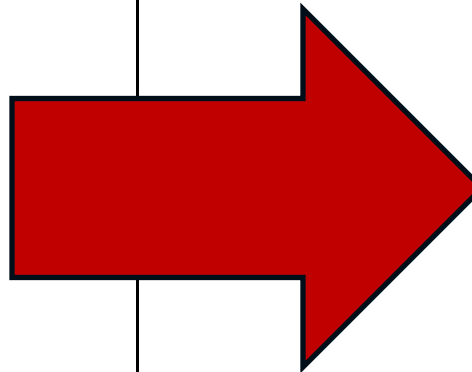


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