



# Math Problem Solving Mindsets Matter



Presented by Laura Candler

## Webinar Notes

Date: \_\_\_\_\_

Padlet Wall <http://padlet.com/lauracandler/> \_\_\_\_\_

How do you feel about these commonly-held math beliefs?

Rate each statement from 1 (Strongly agree) to 5 (Strongly disagree)

- \_\_\_ 1. Problem solving strategies should be taught before giving students problems to solve.
- \_\_\_ 2. Drawing and counting on fingers in math should only be encouraged for young children and struggling students.
- \_\_\_ 3. Students should only use calculators in math after they can perform the computations by hand.
- \_\_\_ 4. Mistakes are only beneficial when we learn from them.
- \_\_\_ 5. Some people were born with a gift for math, and others weren't.
- \_\_\_ 6. The best way to meet the needs of all students is through ability grouping and differentiation.



## Growth Mindset versus Fixed Mindset Thinking




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Harmful Praise Examples

Empowering Praise Examples



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# Math Myth Busters: The **FACTS** that Bust the **MYTHS**

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What is mathematics? What does it take to be successful in math?

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## Characteristics of Rich Math Tasks

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## From Word Problems to Math Tasks & The Apple Peeling Challenge

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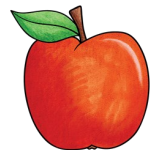
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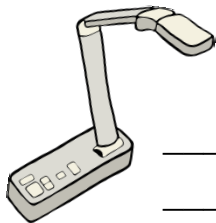
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Remember... Whoever is doing the talking is \_\_\_\_\_.





## Math Task Presentation Options

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## Options for Students to Record & Share Work

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## IPC Strategy for Facilitating Math Task Engagement

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## Share-Share-Compare Strategy

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## Your Math Mindset Journey Continues...



Strategies to Try → 

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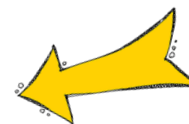
Resources to Check Out → 

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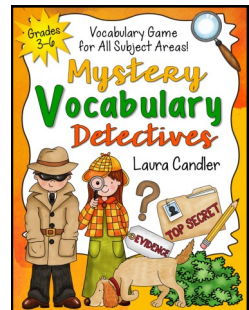
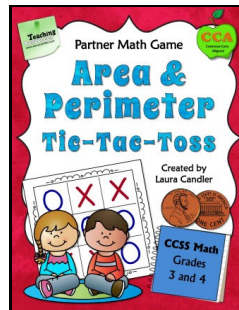
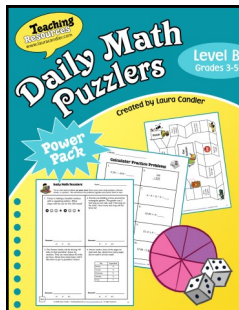
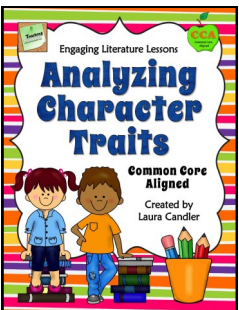
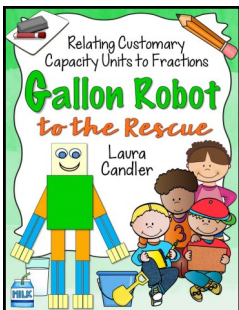
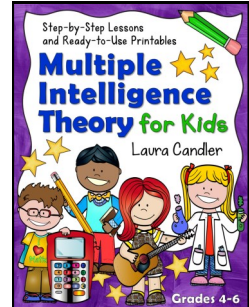
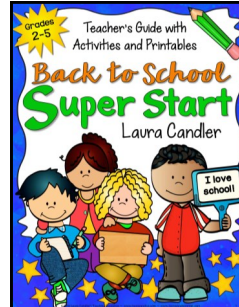
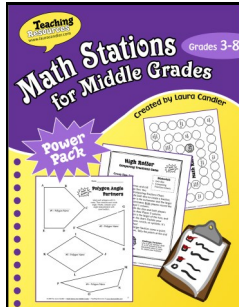
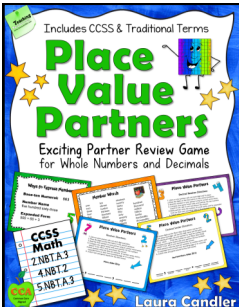
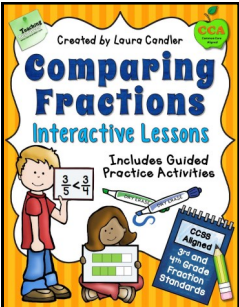
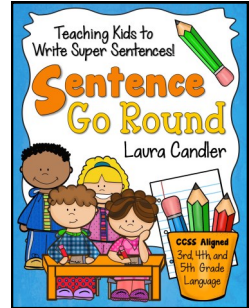
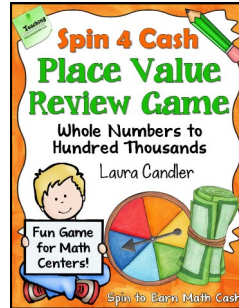
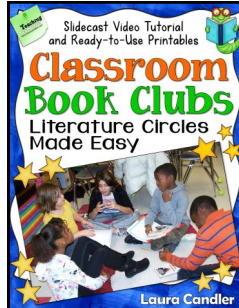
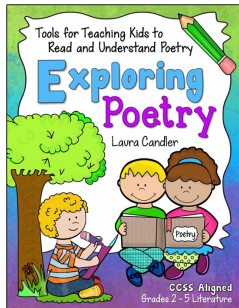
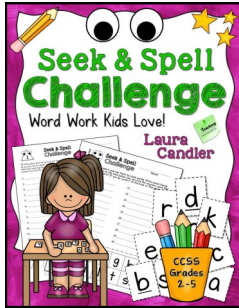
## Webinar Resources and Freebies Link

[www.lauracandler.com/webinars/](http://www.lauracandler.com/webinars/)

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