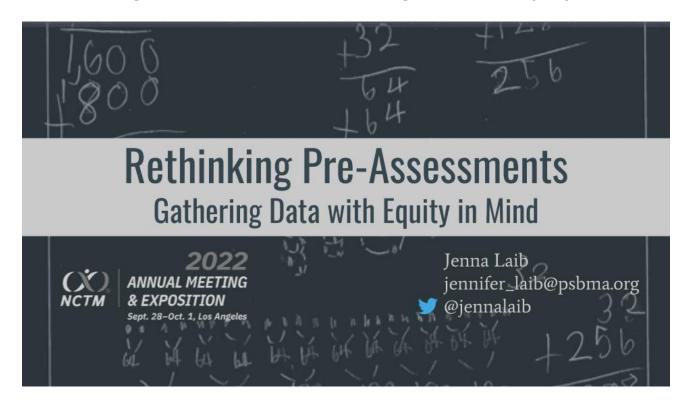
Jenna Laib NCTM Regional – Baltimore #NCTMBalt22 December 1, 2022

Rethinking Pre-Assessments: Gathering Data with Equity in Mind



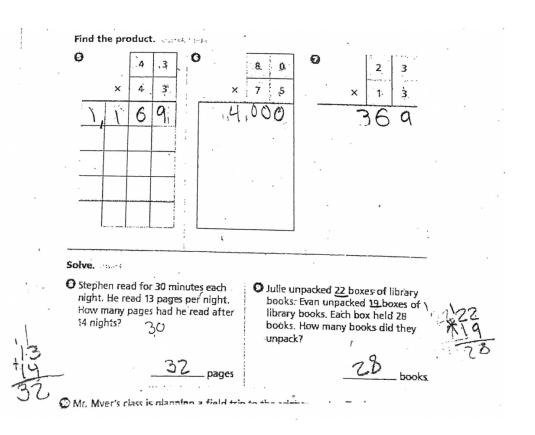
http://bit.ly/laibnctmbalt22

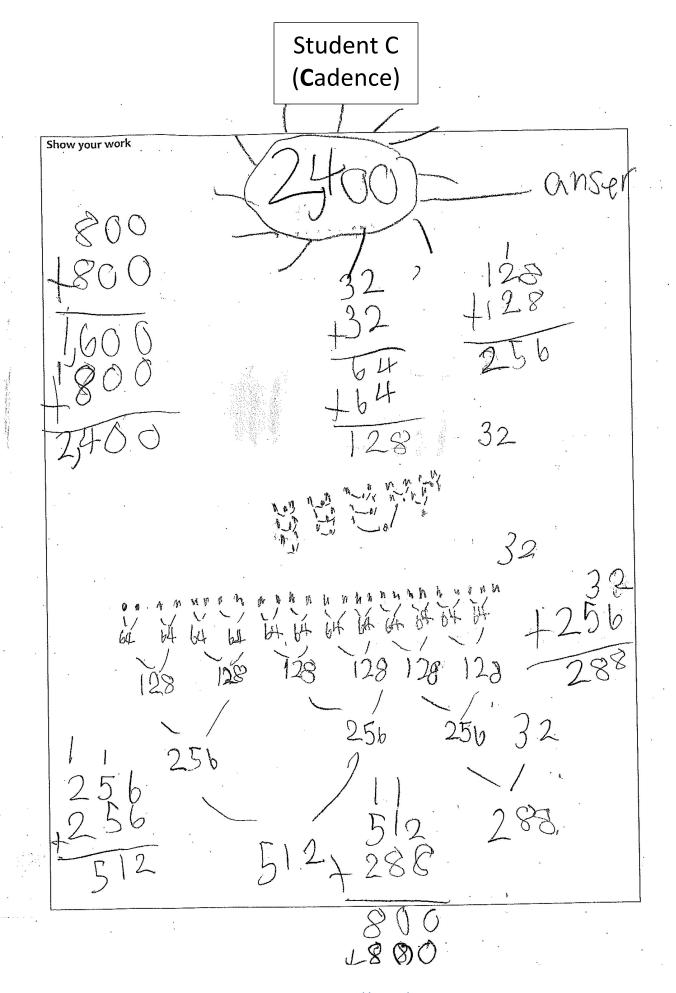
You're at the right presentation if...

- You believe that looking at student thinking is important to planning future instruction.
- You want to explore assessment strategies that take you deeper into student thinking.
- You care about equity as an issue for *all* children, not just some children.

Student A (**A**yesha)

Student B (**B**rayden)

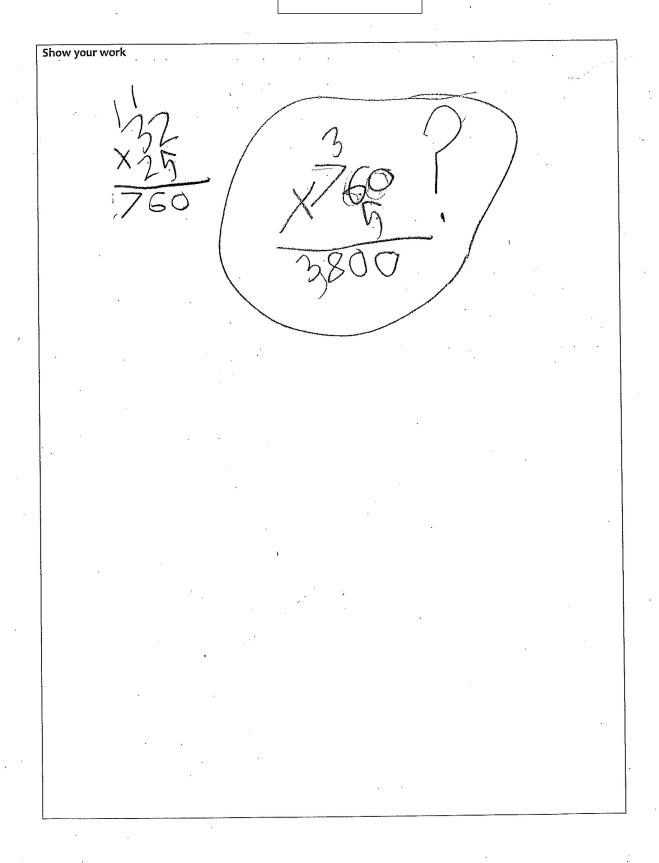




Student D (**D**ev)

Show your work 25, 50, 75, 100, 125, 150, 175, 200 25, 250, 275, 100, 325, 350, 375, 200 425, 450, 475, 500, 525, 550, 570, 600 425, 26, 27, 28, 29, 30, 31, 32, 25, 25, 25, 250, 775, 800

Student E (**E**lena)



Student F (**F**atima)

| Show your work $32 \times 25 = 800$ | |
|--|-----|
| 1800 1800 1800 1800 1800 1800 1800 1800 | 11 |
| 1600+640+32 1000+640+32 1000 1000 | |
| 128240 | 0 |
| 256 756 | |
| +256 | |
| +288.50 | |
| +32 800 | |
| 288 800x3=21 | 40c |

Student G (**G**race)

Show your work 32×25 30×25 = 750 +50 =800×3 2400 -10 = 240 1120

Student H (**H**ector)

Five Principles for Equity Based Teaching



1) Go deep with the mathematics

Develop students' conceptual understanding, procedural fluency, and problem solving and reasoning.

2) Leverage multiple mathematical competencies

Use students' different mathematical strengths as a resource for learning.

3) Affirm mathematics learners' identities

Promote student participation and value different ways of contributing.

4) Challenge spaces of marginality

Embrace student competencies, diminish status, value multiple mathematical contributions.

5) Draw on multiple resources of knowledge (math, language, culture, family)
Tap students' knowledge and experiences as resources for mathematics learning.

@JennaLaib

Aguirre, J., Mayfield-Ingram, K., & Martin, D. The Impact of Identity in K–8 Mathematics Learning and Teaching: Rethinking Equity-Based Practices. Reston, VA: National Council of Teachers of Mathematics, 2014.

More resources cited/available at: http://bit.ly/laibnctmbalt22

Contact

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