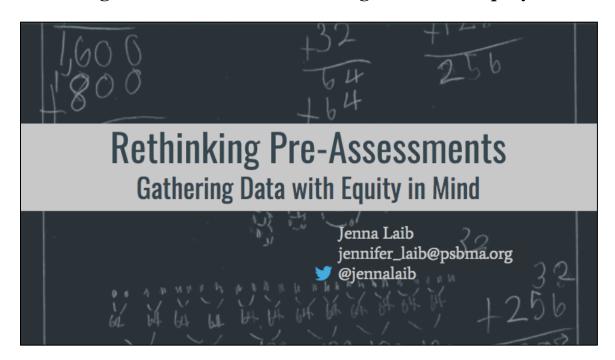
Rethinking Pre-Assessments: Gathering Data with Equity in Mind



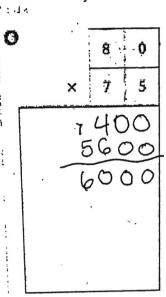
http://bit.ly/laibnctmboston19

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 (Ayesha)

Find the-product. Assessment



)		2	3
	×	1	3
		63 9	9 0

Solve. and

Stephen read for 30 minutes each night: He read 13 pages per night. How many pages had he read after 14 nights? 12

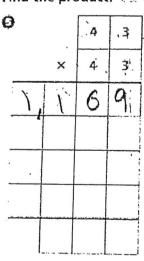
 $\frac{33}{52}$ $\times 19$ $\times 19$ $\times 130$ $\times 192$ page

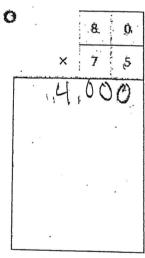
D Julie unpacked 22 boxes of library books. Evan unpacked 19 boxes of 17 library books. Each box held 28 books. How many books did they unpack? 22

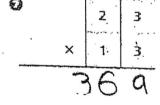
1558 books 942

Student B (Brayden)

Find the product. Access to the







Solve.

Stephen read for 30 minutes each night. He read 13 pages per night. How many pages had he read after 14 nights?

32 name

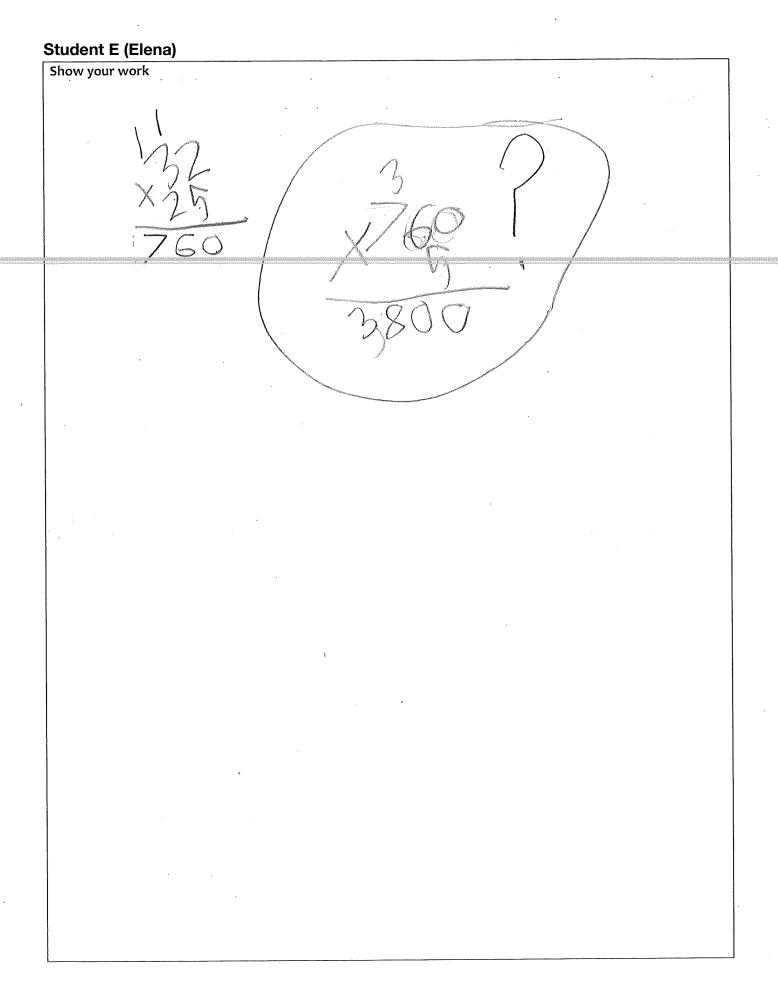
Dulle unpacked 22 boxes of library books. Evan unpacked 19 boxes of \ library books. Each box held 28 books. How many books did they unpack?

ZB book

Mr. Mver's class is planning a field tele

0 160 . . .

1 > 01



Student C (Cadence) Show your work Onser 32 25b 256

4800

Student D (Dev)

Show your work

$$25$$
, 50 , 75 , 100 , 125 , 150 , 175 , 1200 , 125 , 150 , 175 , 1200 , 125 , 1

25 x 32 = 800

$$800 + 800 = 1,600$$
 $1,600 = 2,400$

Student F (Fatima)

Show your work 32 ×25= [800] XXXXXXXXXXX XXXXXXXXXX XXXXXXX

Show your work

32×25

20x75 = 750 +50 =800x3

900x2=1600

80013 = 2400

2400 -10 = 240

\$120

1200-16

\$1184

\$1184)

2400 donvts

Student H (Han)

Show your w	ork			~ P		•	
1 8	10	15	30	72	λO		
(00	200	300	~ 0.0	500	600	700	800
Ч	Q	12	16	2 4	40 0		2-
	U	1,5	0	20	24	28	32

Five Principles for Equity Based Teaching



Aguirre Mayfield-Ingram Martin

- 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.
- 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.

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/laibnctmboston19