

# Let's Do Some Math!

Four oxen are as strong as five horses.



An elephant is as strong as one ox and two horses.




5. Who will win the tug-of-war pictured below? Give a reason for your prediction.




- *What's your prediction and why?*
- *How did you approach solving the puzzle? Why did you take this approach?*
- *How did you feel while working through it?*


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*Share thoughts in the chat!*

# Guiding Principles For Eliciting Strong Thinking in Math

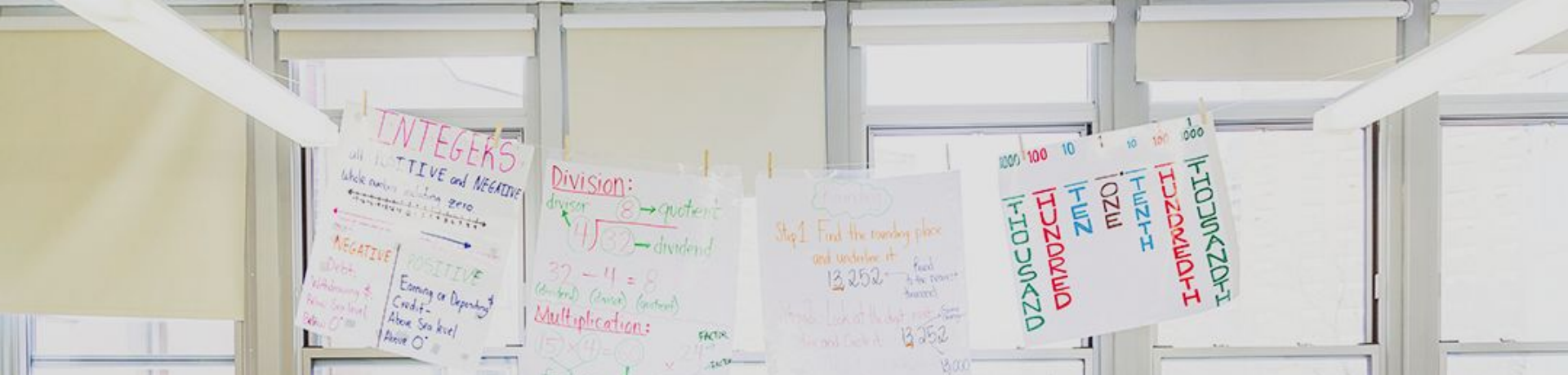
- The role of the educator is not solely to deliver content to scholars, but to use content as a vehicle to facilitate critical thinking.
- Scholars form their own ideas; they do not just get the right answer or perfect a procedure to validate teacher performance.
- Lessons are structured around opportunities for illuminating scholars' sense-making and questions.

# Prove It!

The idea that scholars will agree or disagree with is, "45 + 16 is the same as 40 + 10 plus 5 + 6. So, 45 x 16 is the same as 40 x 10 plus 5 x 6."

- *Where do you see content as the vehicle to facilitate critical thinking? Where will you push sense-making?*
- *For this question in particular: What does it sound like to prove this? What is your exemplar response?*

# Student Work Study



# Q&A



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