

MC²

Mathematically Connected Communities

Algebra 1 In Focus
September 27th 2017

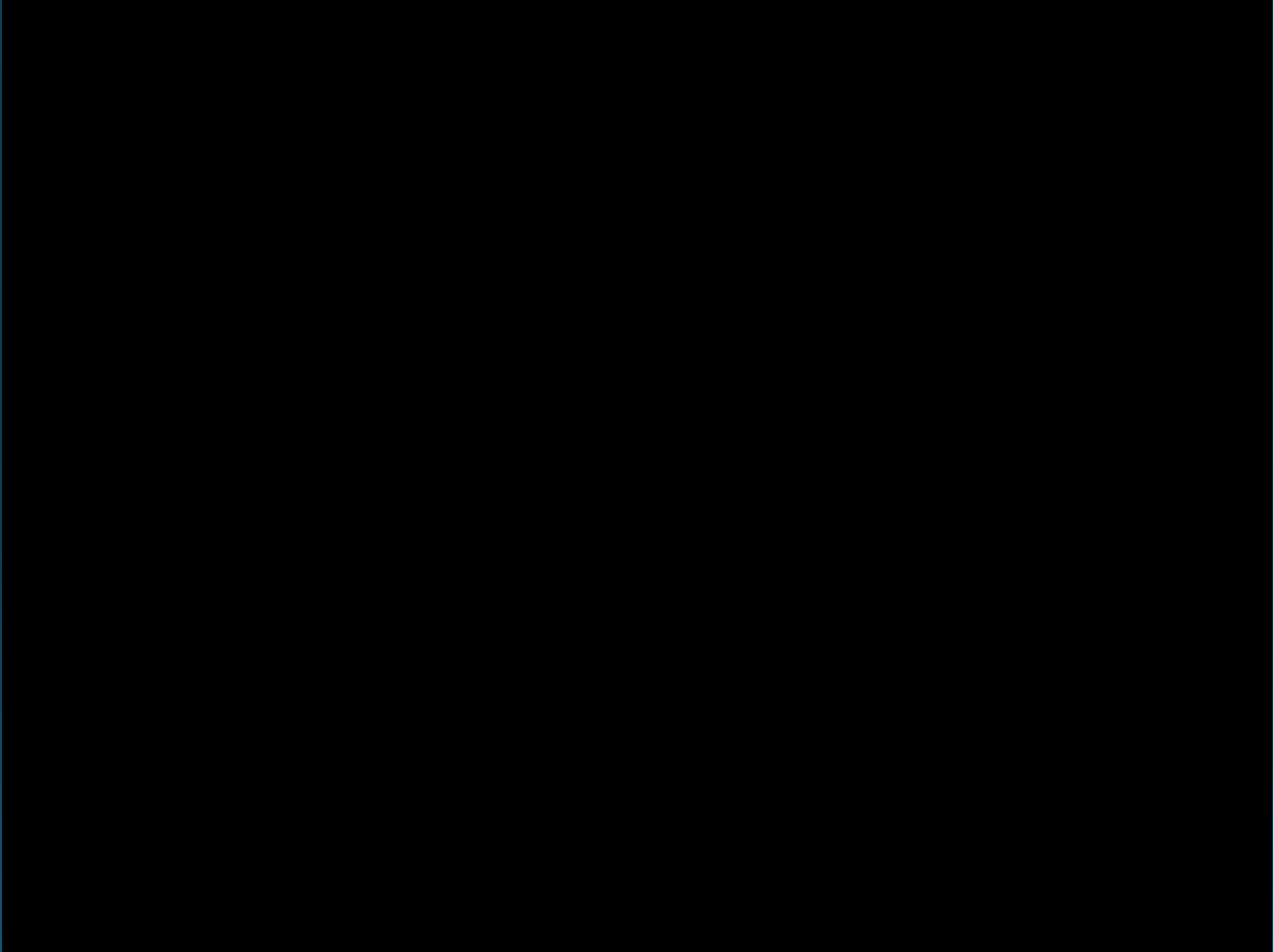
Questioning

Learning Targets

- What is the potential impact of questioning on student learning?
- What are the different purposes of questioning?
- What are some powerful questions I can start asking my students tomorrow?

Criteria for Success

- I can identify how questioning impacts student learning.
- I can name at least three purposes for asking questions to students.
- I have questions that I can ask in my class tomorrow.



Magnetic Reaction

What impact does the questioning in the video have on student learning?

Teachers should facilitate discussion
and use effective questioning
techniques to guide student learning.

Why is questioning so
hard?

<https://tinyurl.com/mc2hard>

What are the different reasons we ask questions?

100 Questions that Promote Mathematical Discourse

- Help students work together to make sense of mathematics
- Help students rely more on themselves to help determine whether something is mathematically correct
- Help students learn to reason mathematically
- Help students evaluate their own processes and engage in productive peer interaction
- Help students with problem comprehension
- Help students to learn to conjecture, invent, and solve problems
- Help students learn to connect mathematics, its ideas and applications
- Help students persevere
- Help students focus on the mathematics from activities

Quote about what we value
by the questions we ask

What now? 5 Powerful Questions Teachers Can Ask Students

1. What do you think?
2. Why do you think that?
3. How do you know this?
4. Can you tell me more?
5. What questions do you still have?



The quality of a question is not judged by its complexity but by the complexity of thinking it provokes.

Joseph O'Connor

Reflection

- What learning from today will you take back to your classroom?
- How will this impact student learning?