The Teaching and Learning of Mathematics is About Ideas

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A Disclaimer...



Math Is For Everyone.



It's Hard Work. But, I Will Keep Fighting.



How Do We Empower Our Kids to See Themselves as Math Learners?



The Short Answer is...

It's Not Easy.



One thing is for sure.

It's NOT Done By Focusing On Right Answers.



The Teaching and Learning of Mathematics is NOT About Right Answers





Tweet

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Ron DeSantis 🤣 @GovRonDeSantis

Math is about getting the right answer, not about feelings or ideologies.

In Florida, we will be educating our children, not indoctrinating them.



8:35 PM · Apr 20, 2022 from Florida, USA · Twitter for iPhone



When my students are learning mathematics, the answer is less critical.

It only tells me one thing.

How a student arrives at that answer tells me LOTS of things.



Writing Instruction



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Math Instruction



It's not about that piece of writing. It's about the writer.

It's not about that math problem, it's about the math learner.



How Do We Determine What Important Mathematical Ideas Our Students Have?



Story Problem Routine



Mr. Zak has 16 pieces of candy. Ms. Claire has 9 pieces of candy.



Mr. Zak has 16 pieces of candy. Ms. Claire has 9 pieces of candy.

How many more pieces of candy does Mr. Zak have than Ms. Claire?



Mr. Zak went to the farm. He saw that they were selling eggs by the dozen.

He bought 7 dozen eggs.



Mr. Zak went to the farm. He saw that they were selling eggs by the dozen.

He bought 7 dozen eggs. How many eggs did Mr. Zak buy?



It's Okay To Walk Away From a Math Problem.



McIntyre's Work



McIntyre's Work



"Can I do this tomorrow? It's too hard."



If a problem is worth solving, it is worth walking away from.



It's Okay to Not Be Finished When Math Class Ends...



The time we allot for a math lesson is arbitrary and is heavily dependent on the student's grade level, where they live, and what constraints are in place for the school.



Can you compose larger triangles with only triangles?

How many triangles did you use?



Can you compose larger rhombi with only rhombi?

How many rhombi did you use?



Your Students Will Surprise You..







How long to fill up the biggest pickle jar?













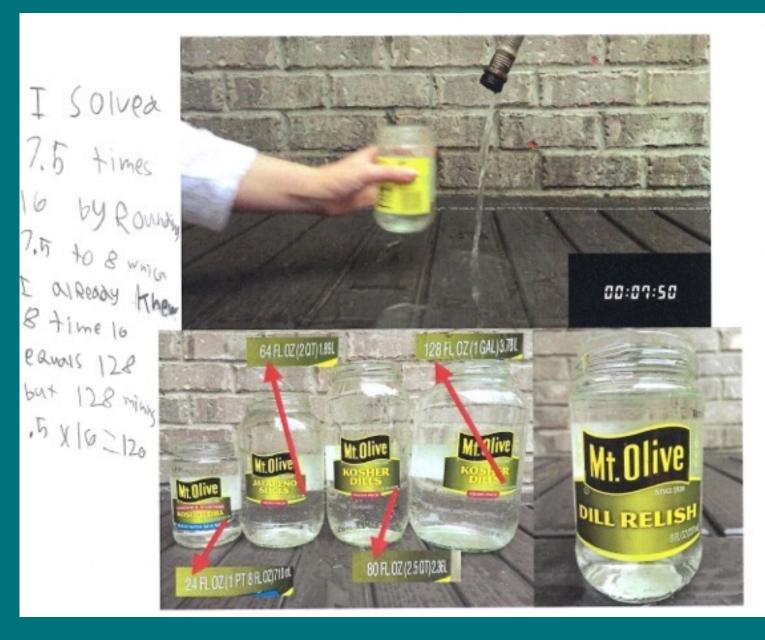


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How long will it take to fill up the large jar? think it will take minutes to fill up the big Jan because the little Jor was 8 ounce and the vig Tap was 128 onlices 6 8×8264 16×8=128 50 16 times 7.50 = 120 And 1205000005=

What questions do you have for this student?





What about Assessment?





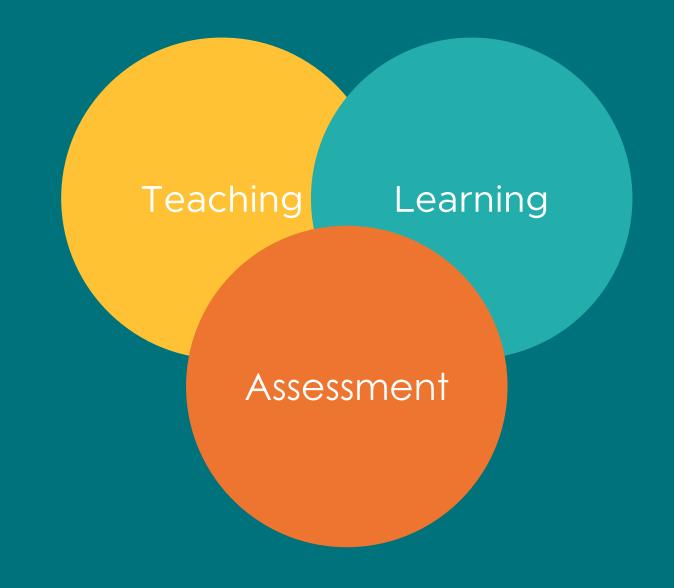


















The Teaching and Learning of Math is a Long Game



I have to remind myself that I'm not aiming for a touchdown every time.

I'm aiming to keep my amazing kiddos moving forward. Each at their own pace.



THANK YOU!

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