


# Take a look at some ways we can help you with the MATH TEACHING PRACTICES!!


**Goal setting:**  
Clear goals & developmental learning progressions



**Elicit and use evidence of student thinking:**  
Ask lots of questions. Get students to talk with everybody and provide evidence of their thinking!


What's your model?  
What's your strategy?  
How do you know?

**Promote Reasoning and Problem Solving**  
Reasoning and Problem Solving (Deep rich thinking problems with multiple ways to enter and multiple solutions)




## MATHEMATICS TEACHING PRACTICES (NCTM, 2014)


**SUPPORT the PRODUCTIVE STRUGGLE:**  
Help students to develop positive math identities and to learn to stick with it and not give up!



**Use and connect Mathematical REPRESENTATIONS:**  
Show what you know!



**BUILD PROCEDURAL FLUENCY & CONCEPTUAL UNDERSTANDING**  
Students should understand, explain and be able to do the math



**Meaningful Math DISCOURSE:**  
Analyzing and Comparing each other's thinking and arguments

I agree because...  
I disagree because...  
I thought about it a different way..  
Can you tell me how you got that?  
Are you sure?

**POSE PURPOSEFUL QUESTIONS**  
Questions that Assess and Advance student reasoning and logic; Questions that promote sense making about math ideas and relationships

Why?  
How do you know?  
Are you sure?  
Can you prove it?