

Goals And Objectives

- ✓ **Review and Discuss the 8 Mathematical Practices**
- ✓ **Align Mathematical Practices to Student-Centered Activities Across the Domains**
- ✓ **Analyze a Lesson Plan to Identify Mathematical Practices**
- ✓ **Discuss Implementation of the Mathematical Practices in Your Classroom**

MP.1 Make sense of problems and persevere in solving them.



MP.2 Reason abstractly and quantitatively.



MP.3 Construct viable arguments and critique the reasoning of others.



MP.4 Model with mathematics.



MP.5 Use appropriate tools strategically.



MP.6 Attend to precision.



MP.7 Look for and make use of structure.



MP.8 Look for and express regularity in repeated reasoning.



The 8 Mathematical Practices

Student Centered Activities

- ✓ Counting Amounts – Kindergarten
- ✓ True/False – Grade 1
- ✓ Fraction Problem Solving Cards – Grade 5
- ✓ Properties of triangles & angle relationships – Grade 7/8/HS
- ✓ Measurement Conversion Tables – Grade 4
- ✓ Let's Shop– Grade 6/7
- ✓ Exact Change – Grade 2/3
- ✓ Best Plan for Fun – Grade 8/HS

MP7

Look for and make use of structure.

- ✓ Identify patterns using properties of operations
- ✓ Connect processes and patterns over time

“Can I create a pattern to represent the solution?”

“Can I apply a previous pattern to solve related problems?”



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- ✓ Work with your partner to review the sample lesson plan.
- ✓ Identify the Mathematical Practices you think would be implemented throughout the lesson.
- ✓ Discuss how this lesson could relate to content in your grade level.
- ✓ List an example of how each Mathematical Practice can be modeled in your lessons for your grade level.

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