

Mathematical Practice Virtual Professional Development Series Math Practice 1: Make Sense of Problems and Persevere in Solving Them Facilitation Guide

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Intended Use

The facilitation guide is intended to be used by educators when viewing the voice over recording of Math Practice 1: Make Sense of Problems and Persevere in Solving Them. Districts and schools are encouraged to use this resource as part of a professional development series that spans all 8 Standards for Mathematical Practice.

Viewing the recordings of the Math Practice sessions can be done in any order. Viewing the recording is encouraged to be done in groups, but it can be done individually. To get the full benefit of the professional development series, educators should engage in the tasks and participate in local discussions on the Mathematical Practice.

Reproducing the Facilitation Guide

If you would like to make copies of any portion of this facilitation guide or accompanying PowerPoint presentation, please credit the Ohio Department of Education.

During Facilitation: Discussion Questions

Pause the recording at the times indicated in the recording and have discussions in smaller groups and then in the larger group.

Links to Documents Referred to in the Session

[Link](#) to **all** documents for the session:

[PowerPoint Slides 12-17](#)

Link to [911-folder](#)

[Facilitation Questions:](#)

- What do you Notice?
- What do you Wonder?

[PowerPoint Slides 18-19](#)

Link to [SMP 1 text](#)

[Facilitation Questions:](#)

- What in MP1 did you have the opportunity to learn?
- What about the task gave you that opportunity?

[PowerPoint Slide 19](#)

Link to [SMP web page](#)

[PowerPoint Slides 21](#)

Link to [Rich Mathematical Task Rubric](#):

[PowerPoint Slides 22](#)

Link to [Engaging the SMPs: Look-fors & Question Stems](#)

[PowerPoint Slides 24](#)

[Student Friendly Descriptions](#)

[PowerPoint Slides 25](#)

Link to [Teacher Rubric](#):

[PowerPoint Slides 26](#)

Link to [NCTM Effective Mathematics Teaching Practices](#):

[PowerPoint Slides 27](#)

If you wish to dig deeper into SMP 1

Link to [Choosing Samples](#)

Resource Links

Ohio Department of Education Documents

- [Standards for Mathematical Practice](#)
- [Kindergarten - Grade 5](#)
- [Grades 6-8](#)
- [High School](#)

University of Arizona Progressions

- [Standards for Mathematical Practice: Commentary and Elaborations for K-5](#)
- [Standards for Mathematical Practice: Commentary and Elaborations for 6-8](#)

Other National Resources

- [Inside Mathematics](#)
- [Illustrative Mathematics](#)
- [Robert Kaplinsky: Math CCSS Math Practices Readable](#)

Conversation Notes: