



# Montana Math Standards Revision

## OPI Support Staff:

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### July 19: Setting the Stage

#### Today's Outcomes:

- Launch the math standards development team revision process
- Review and determine critical components from the body of research to guide the standards revision process
- To enhance the development team's understanding of Indian Education for All IEFA in order to effectively integrate IEFA into the math standards
- Define the Montana Math Learner Profile to guide the development of math standards
- Understand the multi-dimensional facets of math content standards

#### Schedule

- **8:30-9:15: Welcome and Warm-Up (45 min)**
  - Welcome by Superintendent Elsie Arntzen
  - Rulemaking Process - Office of Public Instruction Chief Legal Counsel - Rob Stutz
  - Ice Breaker
  - Agenda Review & Meeting Logistics
- **9:15-10:30: Setting the Stage (75 min)**



- Summation and discussion of the research
  - Define critical components of research
  - Exploration of possibilities
  - **10:30-10:50: Break & Reflection (20 min)**
  - **10:50-11:00: Share Out (10 min)**
  - **11:00 - Noon – IEFA Presentation–OPI**
  - **Noon-1:00 pm Lunch**
  - **1:00-2:30 Define: Montana Math Learner Profile**
  - What do every Montana learner be able to know and do?
  - What essential tools should Montana learners be able to use and to what level?
  - **2:30-2:45 Break**
  - **2:45-3:45 The Language and Multi-Dimensions of Math Standards**
  - **3:45 to 4:30 Check-in/Wrap-up/Plan for Tomorrow/Homework**
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**July 20, 2023**

**Today's Outcomes:**

- Review:
  - Grade-level clusters
  - Math practice standards
  - Structures/formats
- Identify grade-band priorities and examples
- Discuss data science
- Continue grade-band work

**Schedule**

- 8:30-8:45: Welcome Back (15 min)
- 8:45-9:45 Review Grade-Level Clusters (60 min)
  - Teams will break out into their grade-band teams and review current Grade-Level clusters
- 9:45-10:00 Break (15 min)
- 10:00-11:00 Math Practice Standards and Structures Discussion (60 min)
- 11:00-Noon Grade Band Priorities and Examples (60 min)
- Noon-1:00 Lunch (60 min)
- 1:00-1:45 Share Out Grade Band Priorities and Examples (45 min)



- 1:45-2:15 Data Science Discussion (30 min)
  - 2:15-2:30 Break (15 min)
  - 2:30-2:45: Check-in/Process Next Steps (15 min)
  - 2:45-3:45 Continue Grade-Band Work (60 min)
  - 3:45 to 4:00: Check-in/Wrap-up/Plan for Tomorrow/Homework (15 min)
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**July 21, 2023**

### **Today's Outcomes**

- Continue grade-band work
  - Mark up suggested changes in Final Standards Google Sheet
- Discuss where we go from here

### **Schedule**

- 8:00-8:15: Welcome Back
- 8:15-11:15 Continue Grade-Band Work
- 11:15-11:45 Share-out
- 11:45-12:45 Lunch
- 12:45-2:00 Continue Grade-Band Work
- 2:00-3:00 Wrap Up/Next Steps