



Math Standards Negotiated Rulemaking Meeting Minutes Session #1 – Tuesday, November 14, 2023 – 9:30 am to 4:00 pm

Roll Call

Negotiated Rulemaking Members

Brooke Taylor
Brooke Tuft
Carrie Fisher
Dr. Chris Olszewski
Dr. Julie Murgel
June Ellestad
Kathy Milodragovich
Kathy McCrea
Dr. Lynne Rider
Robert Griffith
Teri Dierenfield

OPI Representation & Support

Christy Mock-Stutz
Marie Judisch
Katrina Engeldrum
Michelle McCarthy
Sheri Harlow

Facilitator

Diane Groves

Absent Committee Members

Elaine Cummins

1. Welcomes & Introduction to the Math Standards Negotiated Rulemaking Committee

- The Math Standards Negotiated Rule making Committee was called to order at 9:30 A.M. on Tuesday, November 14th, 2023, by Marie Judisch. She then introduced Montana Superintendent Elsie Arntzen to welcome everyone to the meeting.

2. Facilitator & Committee Confirmation

- Motion to accept Diane as facilitator
- Diane Groves – confirmed
- Committee Membership – confirmed, no dissention

3. Public Comment

- Marie Judisch noted only one attendee; Tina Blair, she had no comment at this time.
- No Public Comment received via email.

4. Consensus building on proposed standards

- Begin Rulemaking Process for standards 10.53.1501 to 10.53.517 through consensus. Working documents can be found on the OPI home page, as well as a link that has been sent to all committee members. Consensus is based on committee agreement, and dissent requires a workable proposal.
- **10.53.501 - Standards for Mathematical Practices - K-12**
 - *MP.7 proposed to delete “Montana American Indians” and replace it to “Montana Indigenous People.”*

- Dissent from this proposal; committee wanting clarification from Indian Education for All Staff as to the correct language
 - Proposal withdrawn until we get more information.
 - No dissent, consensus reached on the proposed recommendation.

- **10.53.502 - Kindergarten Content Standards**
 - *10.53.502.1 Mathematics Counting and Cardinality*
 - Proposed to - add and after 20, remove semi colon
 - Proposed to rephrase
 - No dissent, consensus reached on the proposed recommendation.
 - *10.53.502.2 Mathematics Operations and Algebraic Thinking*
 - Proposal add and subtract within 10
 - No dissent, consensus reached on the proposed recommendation
 - *10.53.502.3 Mathematics Number and Operations in Base Ten*
 - Julie Murgel dissents - are and lead into 3a 3b - record each composition or decomposition by drawing or an equation.
 - Proposal: - remove colon after is, add word to is to compose and decompose numbers from 11 to 19 - is: 3a - scratch some add an in front of equation – also we should remove in multiple ways and place back by using objects or drawings
 - Dissent from that - keep multiple ways in
 - No dissent, consensus reached on the proposed recommendation.
 - *10.53.502.4 Mathematics Measurement and Data*
 - Proposed to update the IEFA language to reflect consistency (Montana Indigenous People) with other changes.
 - No dissent, consensus reached on the proposed recommendation
 - *10.53.502.5 Mathematics Geometry*
 - Proposal to update the IEFA language to reflect consistency with other changes.
 - No dissent, consensus reached on the proposed recommendation

- **10.53.503 First Grade Content Standards**
 - *10.53.503.1 Mathematics Operations and Algebraic Thinking*
 - Change Montana American Indians to Montana Indigenous People
 - Change unknown-addend to unknown addition - ask for a better word than addition
 - Proposed suggested changes and to add and after semi colon for format consistency
 - No dissent, consensus reached on the proposed recommendation

- *10.53.503.2 Mathematics Number and Operations in Base Ten*
 - Propose to add s to People, for Indigenous Peoples
 - No dissent, consensus reached on the proposed recommendation.
- *10.53.503.3 Mathematics Measurement and Data*
 - 2.d.i. - and 2.d.ii - break the next two b
 - No dissent, consensus reached on the proposed recommendation.
- *10.53.503.4 Mathematics Geometry*
 - Propose 4.a.i changes to 4.b and so on for numbering purposes
 - Comment of changing standards and the consequence of teachers searching for aligned materials *wanting alignment in guidance documents, versus ARM, and to table this substandard
 - Propose leaving the number as is, original proposal
 - Propose to go back to her original proposal
 - No dissent, consensus reached on the proposed recommendation.
- **10.53.504 Second Grade Content Standards**
 - *10.53.504.1 Mathematics Operations and Algebraic Thinking*
 - Proposal to update language from Montana American Indians to Montana Indigenous People
 - Update ‘word problems’ to problems in context to align with NCTM and NAEP as well as consistency across standards.
 - No dissent, consensus reached on the proposed recommendations
 - *10.53.504.2 Mathematics Number and Operations in Base Ten*
 - Proposal to rephrase 2.h for consistency
 - No dissent, consensus reached on the proposed recommendations
 - *10.53.504.3 Mathematics Measurement and Data*
 - Proposal to add units of common measure 3.b
 - Propose to add s to People, for Indigenous Peoples, 3.e, 3.i, 3.j
 - Proposal to change ‘world problems’ to problems in context, 3.h
 - Proposal to renumber 3.j.i to 3.k for consistency in formatting
 - No dissent, consensus reached on the proposed recommendations
 - *10.53.504.4 Mathematics Geometry*
 - Proposal to rephrase 4.c for grammar
 - No dissent, consensus reached on the proposed recommendation.
- 5. **Diane Groves adjourned the meeting for the day at approximately 4:00pm**
 - The committee will continue in the morning at 8:30 OPI Office at 1300 11th Avenue.
 - OPI support staff will provide updated documents per the committee’s work this session.