

School District 57:

Numeracy Initiatives





How do we support teachers in the classroom and transform mathematical instruction for all students?

- Professional Development
- Elementary Math Leads
- Model Classrooms
- Fact Fluency/Problem Solving
- Math Blocks/Resources



INTERMEDIATE MATH BLOCK

This framework could be used when planning an Intermediate math block. Suggested time 75-90 minutes daily.

*Could occur during one block or broken up throughout the day.

1

Opening Activity 15-20 minutes

High Yield Routine, Math Story or Fact Fluency practice

- Ex. Esti-Mystery, Number Talk, WODB
- Fluency Games, Fluency Practice sheet

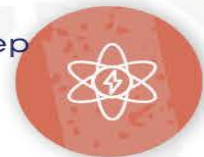


2

Direct Instruction 20-30 minutes

Carefully planned lesson that guides students step-by-step through:

- New skill or concept
- Reviewing a previously learned concept
- Teaching how to play a math game or complete an activity



3

Practice/Application 20-30 minutes

Guided or independent

- Individual, partner or small group
- Problem solving
- Games
- Hands on activities
- Worksheet with or without manipulatives depending on phase of learning



4

Consolidation 15-20 minutes

- Bring closure to the lesson
- Review important information
- Student reflection
- Assessment



Number Sense Definition

- Understand what numbers mean, not just how to calculate with them
- See relationships between numbers (e.g., part–whole, more/less, close/far)
- Estimate and judge whether an answer makes sense
- Use benchmarks (5, 10, 100, $\frac{1}{2}$, etc.) to reason about quantities
- Flexibly compose and decompose numbers (e.g., $8 = 5 + 3$, $10 - 2$)
- Choose efficient strategies rather than relying only on memorized procedures
- Represent numbers in multiple ways (models, drawings, symbols, words)
- Explain thinking and justify solutions
- Make connections across operations (addition, subtraction, multiplication, division)
- Apply number understanding to real-world contexts

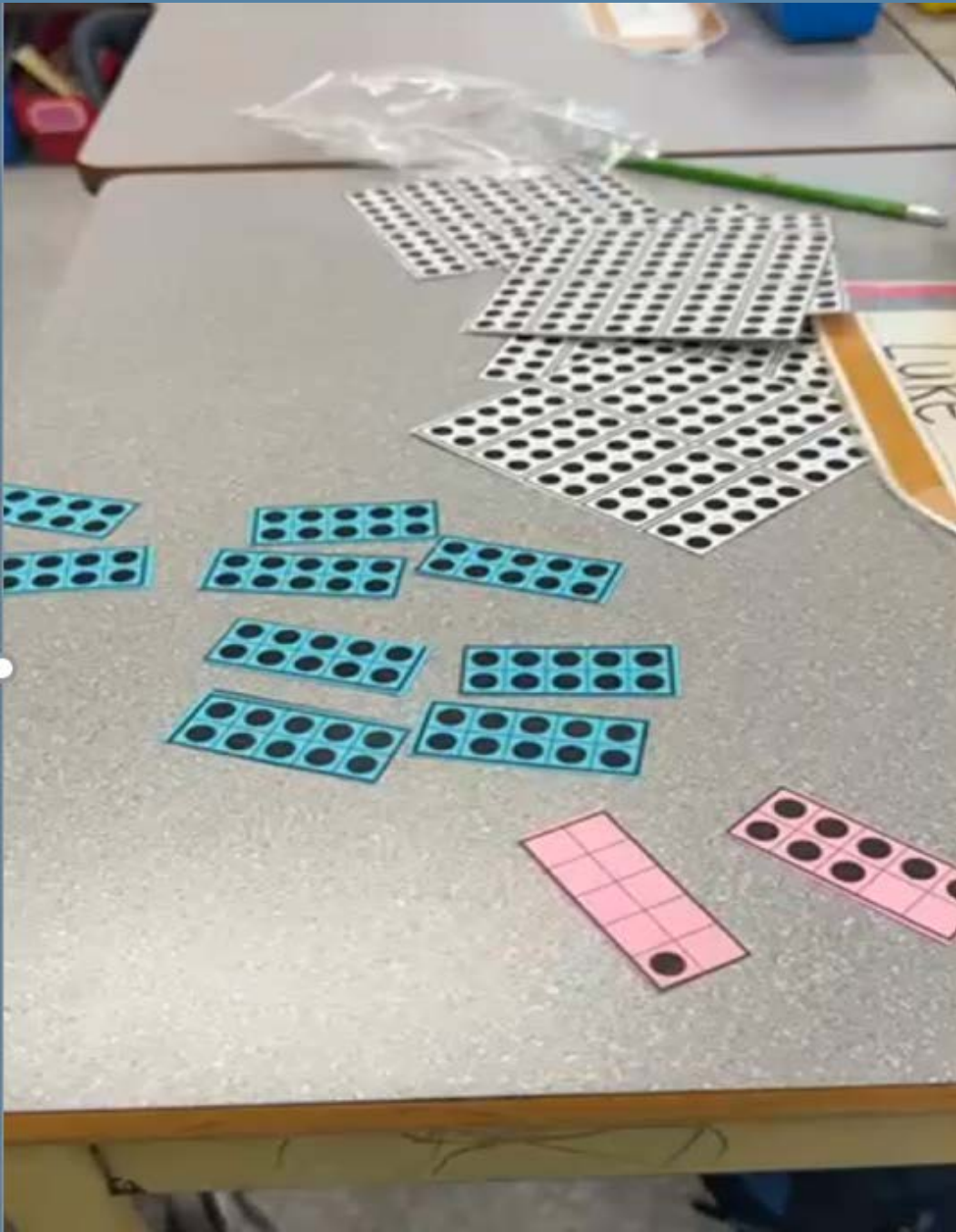




Grade 1-Numbers to 20



Grade 2/3-Exploring Place Value



SD57 • PRESENTATION TITLE





Student Reflections





THANK YOU.

*Respecting the beautiful unceded ancestral lands,
culture and people of the Lheidli T'enneh, McLeod
Lake Indian Band and Simpcw First Nation.*