

BIE Suggested Scope and Sequence – Grade 3 Math Standards Interim 1

Unit 1: Review & Number Sense (2–3 weeks)

Focus: Strengthen place value and addition/subtraction foundations.

2.NBT.B.7 – Add and subtract within 1,000 (review with models and strategies, transition to fluency).

3.NBT.A.1 – Rounding to the nearest 10 or 100.

3.NBT.A.2 – Multi-digit addition and subtraction (emphasis on regrouping and efficiency).

Unit 2: Multiplication Concepts (3–4 weeks)

Focus: Build deep understanding of multiplication as equal groups and arrays.

3.OA.A.1 – Interpret products of whole numbers (repeated addition, groups, arrays, number line).

3.OA.A.3 – Use multiplication and division within 100 to solve word problems (situational context).

3.OA.C.7 – Develop multiplication fluency (ongoing practice begins here, continues all year).

Unit 3: Division Concepts (3 weeks)

Focus: Connect division to multiplication as inverse operations.

3.OA.A.4 – Determine unknown whole number in multiplication/division equations.

3.OA.A.2 – Interpret whole-number quotients of whole numbers (sharing, grouping models).

3.OA.B.6 – Understand division as an unknown-factor problem.

3.OA.C.7 – Continue multiplication/division fluency (ongoing).

Unit 4: Multiplication with Place Value (2 weeks)

Focus: Extend multiplication to larger numbers with structure.

3.NBT.A.3 – Multiply one-digit numbers by multiples of 10 (e.g., 3×40 , 5×70).

3.OA.C.7 – Fluency with facts (ongoing practice).

Unit 5: Problem Solving & Application (3–4 weeks)

Focus: Apply all four operations to real-world problems.

3.OA.D.8 – Solve two-step word problems using all four operations; assess reasonableness using estimation and rounding.

Spiral review and cumulative practice of all standards.

Notes

Fluency (3.OA.C.7) is embedded in every unit—through warmups, centers, and practice routines.

Each unit should include conceptual models → strategies → standard algorithms.

Connections across units:

Addition/subtraction fluency supports multi-step problem solving.

Rounding (Unit 1) links back in estimation during problem solving (Unit 5).

Multiplication and division (Units 2–3) set the foundation for fractions later in Grade 3.