

BIE Suggested Grade 5 Math Scope and Sequence Interim 1

Unit 1: Place Value Foundations (5.NBT.A.1, 5.NBT.A.2, 5.NBT.A.3, 5.NBT.A.4)

Focus: Deepen understanding of the base-ten system and place value patterns.

5.NBT.A.1: Recognize place value relationships (10 times greater/less).

5.NBT.A.2: Explain patterns in powers of 10 using whole-number exponents.

5.NBT.A.3: Read, write, and compare decimals to the thousandths.

5.NBT.A.4: Use place value to round decimals to any place.

Developmentally: Begin with whole numbers and extend to decimals, connecting to real-world contexts (money, measurement).

Unit 2: Whole Number Operations (5.NBT.B.5, 5.NBT.B.6)

Focus: Apply place value and properties of operations to multi-digit numbers.

5.NBT.B.5: Fluently multiply multi-digit whole numbers (standard algorithm and strategies).

5.NBT.B.6: Divide whole numbers with 4-digit dividends and 2-digit divisors, interpreting remainders in context

Developmentally: Move from area models/partial products to standard algorithm; support with visual models and word problems

Unit 3: Decimal Operations (5.NBT.B.7)

Focus: Extend whole number operations to decimals.

5.NBT.B.7: Add, subtract, multiply, and divide decimals to hundredths, using concrete models and strategies.

Developmentally: Connect to money and measurement contexts; begin with models (grids, base-ten blocks) before moving to algorithms.

Unit 4: Expressions and Patterns (5.OA.A.1, 5.OA.A.2)

Focus: Use numerical expressions and grouping symbols to represent and analyze situations.

5.OA.A.1: Use parentheses, brackets, and braces in numerical expressions.

5.OA.A.2: Write and interpret numerical expressions without evaluating them.

Developmentally: Build understanding of order of operations through patterns, real-world contexts, and translating words → expressions.