

BIE Suggested Grade 4 Math – 12-Week Pacing Guide Interim 1

Weeks 1–4: Unit 1 – Place Value Foundations

Standards: 4.NBT.A.1, 4.NBT.A.2, 4.NBT.A.3

Week 1:

Introduce place value patterns (ten times greater/less).

Concrete models (base-ten blocks, place value charts).

Represent numbers to 10,000.

Week 2:

Read/write numbers (standard, word, expanded forms).

Compare multi-digit numbers using real-world data (population, money).

Week 3:

Rounding to tens, hundreds, and thousands.

Estimation with place value (real-world contexts).

Week 4:

Apply comparison and rounding in problem contexts.

Spiral review of multiplication/division facts.

Weeks 5–9: Unit 2 – Multi-Digit Operations

Standards: 4.NBT.B.4, 4.NBT.B.6

Week 5:

Review mental math strategies and estimation.

Build conceptual understanding of multi-digit addition.

Week 6:

Fluency with standard algorithm for addition/subtraction.

Multi-step word problems

Week 7:

Division foundations: repeated subtraction, equal groups, area models.

Week 8:

Introduce long division with one-digit divisors.

Connect division to multiplication.

Week 9:

Interpret remainders in word problems.

Mixed practice with multi-digit addition, subtraction, and division.

Weeks 10–12: Unit 3 – Factors, Multiples, and Number Theory

Standard: 4.OA.B.4

Week 10:

Multiplication fluency routines (fact families, skip counting).

Explore factors with arrays/rectangular models.

Week 11:

Identify multiples and use number lines to extend patterns.

Connect factors/multiples to real-world tasks.

Week 12:

Prime vs. composite exploration (hands-on activities).

Apply factor/multiple concepts in problem solving.

End-of-unit cumulative review of Units 1–3.

Spiral Review Throughout

Weekly fluency routines (multiplication/division facts, fraction benchmarks).

Cumulative mixed-review problems in warm-ups and homework.