

3rd Grade- IM Standards Alignment

Major - Supporting - Additional

Computational fluency standards are addressed through centers

Table of Contents

[Unit 1- Introducing Multiplication](#)

[Unit 2- Area and Multiplication](#)

[Unit 3-Wrapping Up Addition and Subtraction Within 1,000](#)

[Unit 4- Relating Multiplication to Division](#)

[Unit 5- Fractions as Numbers](#)

[Unit 6- Measuring Length, Time, Liquid Volume, and Weight](#)

[Unit 7- Two Dimensional Shapes and Perimeter](#)

[Unit 8- Putting It All Together](#)

[Standards Not Addressed](#)

[Standards Partially Addressed](#)

Unit 1

Introducing Multiplication

Lesson	IM Standards	Arkansas Standards
Lesson 1: Make Sense of Data	3.MD.B.3	3.MD.B.3
Lesson 2: Represent Data and Solve Problems	3.MD.B	3.MD.B.3
Lesson 3: Scaled Picture Graphs	3.MD.B	3.MD.B.3
Lesson 4: Create Scaled Picture Graphs	3.MD.B.3	3.MD.B.3
Lesson 5: Represent Data in Scaled Bar Graphs	3.MD.B.3	3.MD.B.3
Lesson 6: Choose a Scale	3.MD.B.3	3.MD.B.3
Lesson 7: Answer Questions about Scaled Bar Graphs	3.MD.B.3	3.MD.B.3
Lesson 8: More Questions about Scaled Bar Graphs	3.MD.B.3	3.MD.B.3
Lesson 9: Multiplication as Equal Groups	3.OA.A.1	3.OA.A.1
Lesson 10: Drawings, Situations, and Diagrams, Oh My!	3.OA.A.1	3.OA.A.1
Lesson 11: Multiplication Expressions	3.OA.A.1	3.OA.A.1
Lesson 12: Represent and Solve Multiplication Problems	3.OA.A.1, 3.OA.A.3	3.OA.A.1, 3.OA.A.3
Lesson 13: Multiplication Equations	3.OA.A.1, 3.OA.A.3	3.OA.A.1, 3.OA.A.3
Lesson 14: Write and Solve Equations with Unknowns	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.D.9	3.OA.A.1, 3.OA.A.3, 3.OA.A.4, 3.OA.D.9
Lesson 15: More Factors, More Problems	3.OA.A.3, 3.OA.A.4, 3.OA.D.9	3.OA.A.3, 3.OA.A.4, 3.OA.D.9
Lesson 16: Arrange Objects Into Arrays	3.OA.A.1	3.OA.A.1
Lesson 17: Match and Draw Arrays	3.OA.A.1	3.OA.A.1
Lesson 18: Represent Arrays with Expressions	3.OA.A.1	3.OA.A.1
Lesson 19: Solve Problems Involving Arrays	3.OA.A.1, 3.OA.A.3, 3.OA.C.7, 3.OA.D.9	3.OA.A.1, 3.OA.A.3, 3.OA.C.7, 3.OA.D.9
Lesson 20: The Commutative Property	3.OA.B.5	3.OA.B.5
Lesson 21: Game Night Seating Plan	3.MD.B.3, 3.OA.A.3	3.MD.B.3, 3.OA.A.3

Unit 2

Area and Multiplication

Lesson	IM Standards	Arkansas Standards
Lesson 1: What is Area?	3.MD.C.5, 3.OA.A.1	3.MD.C.5, 3.OA.A.1
Lesson 2: How Do We Measure Area?	3.MD.C.5, 3.MD.C.5.a, 3.MD.C.5.b	3.MD.C.5
Lesson 3: Tile Rectangles	3.MD.C.5.b, 3.MD.C.6	3.MD.C.5, 3.MD.C.6
Lesson 4: Area of Rectangles	3.MD.C.6	3.MD.C.6
Lesson 5: Represent Products as Areas	3.MD.C.7.b, 3.OA.B.5	3.MD.C.7, 3.OA.B.5
Lesson 6: Different Square Units (Part 1)	3.MD.C.6	3.MD.C.6
Lesson 7: Different Square Units (Part 2)	3.MD.C.6	3.MD.C.6
Lesson 8: Area of Rectangles without a Grid	3.MD.C.7.b, 3.OA.B.5	3.MD.C.7, 3.OA.B.5
Lesson 9: Measure to Find the Area	3.MD.C.7.b, 3.OA.B.5	3.MD.C.7, 3.OA.B.5
Lesson 10: Solve Area Problems	3.MD.C.7.b, 3.OA.B.5	3.MD.C.7, 3.OA.B.5
Lesson 11: Area and the Multiplication Table (optional)	3.MD.C.7.b, 3.OA.B.5, 3.OA.D.9	3.MD.C.7, 3.OA.B.5, 3.OA.D.9
Lesson 12: Area and Addition	3.MD.C.7.d	3.MD.C.7
Lesson 13: Find the Area of Figures	3.MD.C.7.d, 3.NBT.A.2	3.MD.C.7, 3.NBT.A.2
Lesson 14: Find the Area of Figures with Missing Sides	3.MD.C.7.d	3.MD.C.7
Lesson 15: New Room	3.MD.C.5, 3.MD.C.6, 3.MD.C.7.b, 3.MD.C.7.d	3.MD.C.5, 3.MD.C.6, 3.MD.C.7

Unit 3

Wrapping Up Addition and Subtraction Within 1,000

Lesson	IM Standards	Arkansas Standards
Lesson 1: Represent Numbers in Different Ways	3.NBT.A.2	3.NBT.A.2
Lesson 2: Addition and Subtraction Situations	3.NBT.A.2, 3.OA.D.9	3.NBT.A.2, 3.OA.D.9
Lesson 3: Add Your Way	3.NBT.A.2	3.NBT.A.2
Lesson 4: Introduction to Addition Algorithms	3.NBT.A.2	3.NBT.A.2
Lesson 5: Another Addition Algorithm	3.NBT.A.2, 3.OA.D.9	3.NBT.A.2, 3.OA.D.9
Lesson 6: Use Strategies and Algorithms to Add	3.NBT.A.2	3.NBT.A.2
Lesson 7: Subtract Your Way	3.NBT.A.2	3.NBT.A.2
Lesson 8: Subtraction Algorithms (Part 1)	3.NBT.A.2	3.NBT.A.2
Lesson 9: Subtraction Algorithms (Part 2)	3.NBT.A.2	3.NBT.A.2
Lesson 10: Subtraction Algorithms (Part 3)	3.NBT.A.2	3.NBT.A.2
Lesson 11: Analyze Subtraction Algorithms	3.NBT.A.2	3.NBT.A.2
Lesson 12: Subtract Strategically	3.NBT.A.2, 3.OA.B.5	3.NBT.A.2, 3.OA.B.5
Lesson 13: Multiples of 100	3.NBT.A.1	3.NBT.A.1
Lesson 14: Nearest Multiple of 10 and 100	3.NBT.A.1	3.NBT.A.1
Lesson 15: Round to the Nearest Ten or Hundred	3.NBT.A.1	3.NBT.A.1
Lesson 16: Round and Round Again	3.NBT.A.1, 3.OA.C.7	3.NBT.A.1, 3.OA.C.7
Lesson 17: Does It Make Sense?	3.OA.D.8	3.OA.D.8
Lesson 18: Diagrams and Equations for Word Problems	3.OA.D.8	3.OA.D.8
Lesson 19: Situations and Equations	3.OA.D.8	3.OA.D.8
Lesson 20: More Practice to Represent and Solve	3.OA.C.7, 3.OA.D.8	3.OA.C.7, 3.OA.D.8
Lesson 21: Classroom Supplies	3.NBT.A.1, 3.NBT.A.2	3.NBT.A.1, 3.NBT.A.2

Unit 4

Relating Multiplication to Division

Lesson	IM Standards	Arkansas Standards
Lesson 1: How Many Groups?	3.OA.A.2, 3.OA.A.3	3.OA.A.2, 3.OA.A.3
Lesson 2: How Many in Each Group?	3.OA.A.2, 3.OA.A.3	3.OA.A.2, 3.OA.A.3
Lesson 3: Division Situation Drawings	3.NBT.A.2, 3.OA.A.2	3.NBT.A.2, 3.OA.A.2
Lesson 4: Interpret Division Expressions	3.NBT.A.2, 3.OA.A.2	3.NBT.A.2, 3.OA.A.2
Lesson 5: Write Division Expressions	3.NBT.A.2, 3.OA.A.2, 3.OA.A.3	3.NBT.A.2, 3.OA.A.2, 3.OA.A.3
Lesson 6: Division as an Unknown Factor	3.OA.A.2, 3.OA.B.6	3.OA.A.2, 3.OA.B.6
Lesson 7: Relating Multiplication to Division	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.B.6	3.NBT.A.3, 3.OA.A.2, 3.OA.A.3, 3.OA.B.6
Lesson 8: Relating Quotients to Products	3.OA.B.6, 3.OA.C.7	3.OA.B.6, 3.OA.C.7
Lesson 9: Patterns in the Multiplication Table	3.OA.C.7, 3.OA.D.9	3.OA.C.7, 3.OA.D.9
Lesson 10: Explore Multiplication Strategies with Rectangles	3.MD.C.7.c, 3.OA.C.7	3.MD.C.7, 3.OA.C.7
Lesson 11: Multiplication Strategies on Ungridded Rectangles	3.MD.C.7.c, 3.OA.C.7	3.MD.C.7.c, 3.OA.C.7
Lesson 12: Multiply Multiples of Ten	3.NBT.A.3	3.NBT.A.3
Lesson 13: Solve Problems with Equal Groups	3.OA.A.3, 3.OA.B.5	3.OA.A.3, 3.OA.B.5
Lesson 14: Ways to Represent Multiplication of Teen Numbers	3.OA.B.5	3.OA.B.5
Lesson 15: Equal Groups, Larger Numbers	3.MD.C.7.c, 3.OA.A.3, 3.OA.B.5	3.MD.C.7, 3.OA.A.3, 3.OA.B.5
Lesson 16: Multiply Numbers Larger than 20	3.OA.B.5	3.OA.B.5
Lesson 17: Use the Four Operations to Solve Problems	3.NBT.A.3, 3.OA.B.5, 3.OA.D.8	3.NBT.A.3, 3.OA.B.5, 3.OA.D.8
Lesson 18: Larger Numbers in Equal Groups	3.OA.A.2, 3.OA.A.3	3.OA.A.2, 3.OA.A.3

Lesson 19: Ways to Divide Larger Numbers	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7	3.NBT.A.3, 3.OA.A.2, 3.OA.B.5, 3.OA.C.7
Lesson 20: Strategies for Dividing	3.OA.B.5, 3.OA.C.7	3.OA.B.5, 3.OA.C.7
Lesson 21: Solve Problems Using the Four Operations	3.OA.D.8	3.OA.D.8
Lesson 22: School Community Garden	3.MD.C.7, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.D.8	3.MD.C.7, 3.OA.A.2, 3.OA.A.3, 3.OA.A.4, 3.OA.D.8

Unit 5

Fractions as Numbers

Lesson	IM Standards	Arkansas Standards
Lesson 1: Name the Parts	3.G.A.2, 3.NF.A.1	3.G.A.2, 3.NF.A.1
Lesson 2: Name Parts as Fractions	3.NF.A.1	3.NF.A.1
Lesson 3: Non-unit Fractions	3.NF.A.1	3.NF.A.1
Lesson 4: Build Fractions from Unit Fractions	3.NF.A.1, 3.OA.C.7	3.NF.A.1, 3.OA.C.7
Lesson 5: To the Number Line	3.NF.A.2	3.NF.A.2
Lesson 6: Locate Unit Fractions on the Number Line	3.NF.A.2, 3.NF.A.2.a	3.NF.A.2
Lesson 7: Non-Unit Fractions on the Number Line	3.NF.A.2.b	3.NF.A.2
Lesson 8: Fractions and Whole Numbers	3.NF.A.2, 3.NF.A.3.c, 3.OA.C.7	3.NF.A.2, 3.NF.A.3, 3.OA.C.7
Lesson 9: All Kinds of Number on the Number Line	3.NF.A.2	3.NF.A.2
Lesson 10: Equivalent Fractions	3.NF.A.3.a, 3.NF.A.3.b	3.NF.A.3
Lesson 11: Generate Equivalent Fractions	3.NF.A.3.a, 3.NF.A.3.b, 3.OA.B.5	3.NF.A.3, 3.OA.B.5
Lesson 12: Equivalent Fractions on a Number Line	3.NF.A.3.a, 3.NF.A.3.b	3.NF.A.3
Lesson 13: Whole Numbers and Fractions	3.NF.A.3.c	3.NF.A.3
Lesson 14: How Do You Compare Fractions?	3.NF.A.3, 3.NF.A.3.c, 3.NF.A.3.d	3.NF.A.3
Lesson 15: Compare Fractions with the Same Denominator	3.NF.A.3, 3.NF.A.3.d	3.NF.A.3
Lesson 16: Compare Fractions with the Same Numerator	3.NF.A.3.d	3.NF.A.3
Lesson 17: Compare Fractions	3.NF.A.2, 3.NF.A.3, 3.NF.A.3.d	3.NF.A.2, 3.NF.A.3
Lesson 18: Design With Fractions	3.NF.A.1, 3.NF.A.2.a	3.NF.A.1, 3.NF.A.2

Unit 6

Measuring Length, Time, Liquid Volume, and Weight

Lesson	IM Standards	Arkansas Standards
Lesson 1: Measure in Halves of an Inch	3.MD.B.4	3.MD.B.4
Lesson 2: Measure in Fourths of an Inch	3.MD.B.4	3.MD.B.4
Lesson 3: Measure in Halves or Fourths of an Inch	3.MD.B.4, 3.NF.A.3.c	3.MD.B.4, 3.NF.A.3
Lesson 4: Interpret Measurement Data on Line Plots	3.MD.B.4	3.MD.B.4
Lesson 5: Represent Measurement Data on Line Plots	3.MD.B.4, 3.OA.C.7	3.MD.B.4, 3.OA.C.7
Lesson 6: Estimate and Measure Weight	3.MD.A.2	3.MD.A.2
Lesson 7: Introduction to Liquid Volume	3.MD.A.2	3.MD.A.2
Lesson 8: Measure and Estimate Liquid Volume	3.MD.A.2, 3.OA.C.7	3.MD.A.2, 3.OA.C.7
Lesson 9: Time to the Nearest Minute	3.MD.A.1	3.MD.A.1
Lesson 10: Solve Problems Involving Time (Part 1)	3.MD.A.1	3.MD.A.1
Lesson 11: Solve Problems Involving Time (Part 2)	3.MD.A.1	3.MD.A.1
Lesson 12: Ways to Represent Measurement Situations	3.MD.A.2	3.MD.A.2
Lesson 13: Problems with Missing Information	3.MD.A.2	3.MD.A.2
Lesson 14: What Makes Sense in the Problem?	3.MD.A.1, 3.MD.A.2, 3.NBT.A.2	3.MD.A.1, 3.MD.A.2, 3.NBT.A.2
Lesson 15: Ways to Solve Problems and Show Solutions	3.MD.A.1, 3.MD.A.2, 3.OA.A.3, 3.OA.C.7	3.MD.A.1, 3.MD.A.2, 3.OA.A.3, 3.OA.C.7
Lesson 16: Design a Carnival Games	3.MD.A, 3.NBT.A.2, 3.OA.A	3.MD.A, 3.NBT.A.2, 3.OA.A

Unit 7

Two-dimensional Shapes and Perimeter

Lesson	IM Standards	Arkansas Standards
Lesson 1: What Attributes Do You See?	3.G.A.1	3.G.A.1
Lesson 2: Attributes of Triangles and Quadrilaterals	3.G.A.1, 3.NBT.A.3	3.G.A.1, 3.NBT.A.3
Lesson 3: Attributes that Define Shapes	3.G.A.1, 3.NBT.A.3	3.G.A.1, 3.NBT.A.3
Lesson 4: Attributes of Rectangles, Rhombuses, and Squares	3.G.A.1	3.G.A.1
Lesson 5: Attributes of Other Quadrilaterals	3.G.A.1, 3.OA.C.7	3.G.A.1, 3.OA.C.7
Lesson 6: Distance Around Shapes	3.MD.D.8	3.MD.D.8
Lesson 7: Same Perimeter, Different Shapes	3.MD.D.8, 3.NBT.A.2	3.MD.D.8, 3.NBT.A.2
Lesson 8: Find the Perimeter	3.MD.D.8, 3.OA.C.7	3.MD.D.8, 3.OA.C.7
Lesson 9: Perimeter Problems	3.MD.D.8	3.MD.D.8
Lesson 10: Problem Solving With Perimeter and Area	3.MD.D.8, 3.OA.C.7, 3.OA.D.8	3.MD.D.8, 3.OA.C.7, 3.OA.D.8
Lesson 11: Rectangles with the Same Perimeter	3.MD.D.8, 3.OA.C.7	3.MD.D.8, 3.OA.C.7
Lesson 12: Rectangles with the Same Area	3.MD.D.8, 3.OA.C.7	3.MD.D.8, 3.OA.C.7
Lesson 13: Shapes and Play	3.MD.D.8	3.MD.D.8
Lesson 14: Wax Prints	3.G.A.1, 3.MD.D.8	3.G.A.1, 3.MD.D.8
Lesson 15: Design Your Own Robot	3.MD.D.8	3.MD.D.8

Unit 8

Putting It All Together

Lesson	IM Standards	Arkansas Standards
Lesson 1: Estimation Explorations with Fractions	3.NF.A.1, 3.NF.A.2	3.NF.A.1, 3.NF.A.2
Lesson 2: Create Your Own Number Line	3.NF.A.2, 3.NF.A.3	3.NF.A.2, 3.NF.A.3
Lesson 3: Fractions Round Table	3.NF.A.1, 3.NF.A.2, 3.NF.A.3	3.NF.A.1, 3.NF.A.2, 3.NF.A.3
Lesson 4: Tiny House: Design and Solve	3.MD.C.7.d, 3.MD.D.8	3.MD.C.7, 3.MD.D.8
Lesson 5: Tiny House: Cost	3.NBT.A.2, 3.OA.D.8	3.NBT.A.2, 3.OA.D.8
Lesson 6: Survey the Class, Survey the School	3.MD.B.3	3.MD.B.3
Lesson 7: Graph and Answer	3.MD.B.3	3.MD.B.3
Lesson 8: Multiplication Center Day	3.OA.C.7	3.OA.C.7
Lesson 9: Multiplication Game Day	3.OA.C.7	3.OA.C.7
Lesson 10: Multiplication and Division	3.OA.A.3, 3.OA.B.6	3.OA.A.3, 3.OA.B.6
Lesson 11: Division Game Day	3.OA.C.7	3.OA.C.7
Lesson 12: Notice and Wonder	3.OA.A	3.OA.A
Lesson 13: How Many Do You See?	3.OA.A.1	3.OA.A.1
Lesson 14: Estimation Exploration	3.MD.B.4	3.MD.B.4
Lesson 15: Number Talk	3.NBT.A.2	3.NBT.A.2

Standards Not Addressed

Standard Number	Standard Description
3.NBT.A.4	Understand that the four digits of a four-digit number represent amounts of thousands, hundreds, tens, and ones (e.g., 7,706 can be portrayed in a variety of ways according to place value strategies) Understand the following as special cases: • 1,000 can be thought of as a group of ten hundreds---called a thousand • The numbers 1,000, 2,000, 3,000, 4,000, 5,000, 6,000, 7,000, 8,000, 9,000 refer to one, two, three, four, five, six, seven, eight, or nine thousands
3.NBT.A.5	Read and write numbers to 10,000 using base-ten numerals, number names, and expanded form(s) For example: • Using base-ten numerals “standard form” (347) • Number name form (three-hundred forty seven) • Expanded form(s) ($300 + 40 + 7 = 3 \times 100 + 4 \times 10 + 7 \times 1$)
3.NBT.A.6	Compare two four-digit numbers based on meanings of thousands, hundreds, tens, and ones digits using symbols ($<$, $>$, $=$) to record the results of comparisons

Standards Partially Addressed

Standard Number	Standard Description
3.G.A.2	• Partition shapes into parts with equal areas • Express the area of each part as a unit fraction of the whole For example: Partition a shape into 4 parts with equal area, and describe the area of each part as $\frac{1}{4}$