

5th Grade- IM Standards Alignment

Major - Supporting - Additional

Computational fluency standards are addressed through centers

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Unit 1

Finding Volume

Lesson	IM Standards	Arkansas Standards
Lesson 1: What Is Volume?	5.MD.C.3	5.MD.C.3
Lesson 2: Measure Volume	5.MD.C.3, 5.MD.C.3.b, 5.MD.C.4	5.MD.C.3, 5.MD.C.4
Lesson 3: Volumes of Prism Drawings	5.MD.C.4	5.MD.C.4
Lesson 4: Use Layers to Determine Volume	5.MD.C.5.a, 5.OA.A.2	5.MD.C.5, 5.OA.A.2
Lesson 5: Side Lengths of Rectangular Prisms	5.MD.C.5.b	5.MD.C.5
Lesson 6: Expressions for Volume	5.MD.C.5.a, 5.MD.C.5.b, 5.OA.A.1, 5.OA.A.2	5.MD.C.5, 5.OA.A.1, 5.OA.A.2
Lesson 7: Cubic Units of Measure	5.MD.C.4	5.MD.C.4
Lesson 8: Figures Made of Prisms	5.MD.C.5.c	5.MD.C.5
Lesson 9: Measure Figures Made From Prisms	5.MD.C.5.c, 5.OA.A.2	5.MD.C.5, 5.OA.A.2
Lesson 10: Represent Volume with Expressions	5.MD.C.5, 5.MD.C.5.c, 5.OA.A.1, 5.OA.A.2	5.MD.C.5, 5.OA.A.1, 5.OA.A.2
Lesson 11: All Kinds of Prisms	5.MD.C, 5.MD.C.5	5.MD.C, 5.MD.C.5
Lesson 12: Lots and Lots of Garbage	5.MD.C.5	5.MD.C.5

Unit 2

Fractions as Quotients and Fraction Multiplication

Lesson	IM Standards	Arkansas Standards
Lesson 1: Share Sandwiches	5.NF.B.3	5.NF.B.3
Lesson 2: Share More Sandwiches	5.NF.B.3	5.NF.B.3
Lesson 3: Interpret Equations	5.NF.B.3	5.NF.B.3
Lesson 4: Division Situations	5.NF.B.3	5.NF.B.3
Lesson 5: Relate Division and Fractions	5.NF.B.3	5.NF.B.3
Lesson 6: Relate Division and Multiplication	5.NF.B.3, 5.OA.A.2	5.NF.B.3, 5.OA.A.2
Lesson 7: Divide to Multiply Unit Fractions	5.NF.B.3, 5.NF.B.4.a	5.NF.B.3, 5.NF.B.4
Lesson 8: Divide to Multiply Non-unit Fractions	5.NF.B, 5.NF.B.4, 5.NF.B.4.a, 5.OA.A.2	5.NF.B.4, 5.OA.A.2
Lesson 9: Relate Area to Multiplication	5.NF.B.4.b	5.NF.B.4
Lesson 10: Fractional Side Lengths Less Than 1	5.NF.B.3, 5.NF.B.4.a, 5.NF.B.4.b	5.NF.B.3, 5.NF.B.4
Lesson 11: Fractional Side Lengths Greater Than 1	5.NF.B.3, 5.NF.B.4.b	5.NF.B.3, 5.NF.B.4
Lesson 12: Decompose Area	5.NF.B.4	5.NF.B.4
Lesson 13: Area and Properties of Operations	5.NF.B.4, 5.OA.A, 5.OA.A.1	5.NF.B.4, 5.OA.A.1
Lesson 14: Area Situations	5.NF.B, 5.NF.B.4	5.NF.B.4
Lesson 15: Multiply More Fractions	5.NF.B.3, 5.NF.B.4, 5.NF.B.4.a, 5.NF.B.4.b	5.NF.B.3, 5.NF.B.4
Lesson 16: Estimate Products	5.NF.B.4, 5.NF.B.4.b	5.NF.B.4
Lesson 17: Mosaic Pictures	5.NF.B.4	5.NF.B.4

Unit 3

Fraction Multiplication and Division

Lesson	IM Standards	Arkansas Standards
Lesson 1: One Piece of One Part	5.NF.B.4.a	5.NF.B.4
Lesson 2: Represent Unit Fraction Multiplication	5.NF.B.4.a	5.NF.B.4
Lesson 3: Multiply Unit Fractions	5.NF.B.4.a	5.NF.B.4
Lesson 4: Situations about Multiplying Fractions	5.NF.B.4.a	5.NF.B.4
Lesson 5: Multiply a Unit Fraction by a Non-unit Fraction	5.NF.B.4.b	5.NF.B.4
Lesson 6: Multiply Fractions	5.NF.B.4, 5.NF.B.4.b	5.NF.B.4
Lesson 7: Generalize Fraction Multiplication	5.NF.B.4, 5.NF.B.4.a	5.NF.B.4
Lesson 8: Apply Fraction Multiplication	5.NF.B.4.a, 5.NF.B.6	5.NF.B.4, 5.NF.B.6
Lesson 9: My Own Flag	5.NF.B.6	5.NF.B.6
Lesson 10: Concepts of Division		
Lesson 11: Divide Unit Fractions by Whole Numbers	5.NF.B.7.b	5.NF.B.7
Lesson 12: Represent Division of Unit Fractions by Whole Numbers	5.NF.B.7.a, 5.NF.B.7.b	5.NF.B.7
Lesson 13: Divide Whole Numbers by Unit Fractions	5.NF.B.7.b	5.NF.B.7
Lesson 14: Represent Division of Whole Numbers by Unit Fractions	5.NF.B.7.b	5.NF.B.7
Lesson 15: Fraction Division Situations	5.NF.B.7, 5.NF.B.7.c	5.NF.B.7
Lesson 16: Reason About Quotients	5.NF.B.7, 5.NF.B.7.b	5.NF.B.7
Lesson 17: Fraction Multiplication and Division	5.NF.B.4, 5.NF.B.6, 5.NF.B.7	5.NF.B.4, 5.NF.B.6, 5.NF.B.7
Lesson 18: Represent Situations with Multiplication and Division	5.NF.B.4, 5.NF.B.6, 5.NF.B.7	5.NF.B.4, 5.NF.B.6, 5.NF.B.7
Lesson 19: Fraction Games	5.NF.B.4, 5.NF.B.6, 5.NF.B.7, 5.NF.B.7.c	5.NF.B.4, 5.NF.B.6, 5.NF.B.7
Lesson 20: How Much in a Group?	5.NF.B.7.b	5.NF.B.7

Unit 4

Whole-Number Multiplication and Division

Lesson	IM Standards	Arkansas Standards
Lesson 1: Estimate and Find Products	5.NBT	5.NBT
Lesson 2: Partial Products in Diagrams	5.NBT.B	5.NBT.B
Lesson 3: Partial Products in Algorithms	5.OA.A.2	5.OA.A.2
Lesson 4: Standard Algorithm: One-digit and Multi-digit Numbers with Composing Lessons	5.NBT.B.5	5.NBT.B.5
Lesson 5: Standard Algorithm: Multi-digit Numbers without Composing Lessons	5.NBT.B.5	5.NBT.B.5
Lesson 6: Standard Algorithm: Multi-digit Numbers with Composing Lessons	5.NBT.B.5	5.NBT.B.5
Lesson 7: Build Multiplication Fluency	5.NBT.B.5	5.NBT.B.5
Lesson 8: Multiplication Fluency	5.NBT.B.5, 5.NF.B.4	5.NBT.B.5, 5.NF.B.4
Lesson 9: The Birds	5.MD.C.3, 5.MD.C.5, 5.NBT.B.5	5.MD.C.3, 5.MD.C.5, 5.NBT.B.5
Lesson 10: World's Record Folk Dance		
Lesson 11: Different Partial Quotients	5.NBT.B.6, 5.OA.A.2	5.NBT.B.6, 5.OA.A.2
Lesson 12: An Algorithm Using Partial Quotients	5.NBT.B.6	5.NBT.B.6
Lesson 13: Divide Using Partial Quotients	5.NBT.B.6	5.NBT.B.6
Lesson 14: Practice an Algorithm Using Partial Products	5.NBT.B.6	5.NBT.B.6
Lesson 15: Find Missing Side Lengths	5.NBT.B.5, 5.NBT.B.6	5.NBT.B.5, 5.NBT.B.6
Lesson 16: World's Record Noodle Soup	5.NBT.B.6, 5.NF.B.3	5.NBT.B.6, 5.NF.B.3
Lesson 17: Fractions as Partial	5.OA.A.2	5.OA.A.2

Quotients		
Lesson 18: Lots of Milk	5.MD.C.5	5.MD.C.5
Lesson 19: Trash Talk	5.NBT.B.5	5.NBT.B.5
Lesson 20: Shipping Trash	5.MD.C.5, 5.NBT.B.5, 5.NBT.B.6	5.MD.C.5, 5.NBT.B.5, 5.NBT.B.6
Lesson 21: Food Waste Journal	5.MD.C.5, 5.NBT.B.5, 5.NBT.B.6	5.MD.C.5, 5.NBT.B.5, 5.NBT.B.6

Unit 5

Place Value Patterns and Decimal Operations

Lesson	IM Standards	Arkansas Standards
Lesson 1: What is 1 Thousandth?	5.NBT.A, 5.NBT.A.1	5.NBT.A, 5.NBT.A.1
Lesson 2: Thousandths on Grids and in Words	5.NBT.A, 5.NBT.A.3	5.NBT.A, 5.NBT.A.3
Lesson 3: Thousandths in Expanded Form	5.NBT.A.1, 5.NBT.A.3, 5.OA.A.	5.NBT.A.1, 5.NBT.A.3, 5.OA.A
Lesson 4: Explore Place Value Relationships	5.NBT.A.1, 5.NBT.A.3, 5.NBT.A.3.a	5.NBT.A.1, 5.NBT.A.3
Lesson 5: Compare Decimals	5.NBT.A.3, 5.NBT.A.3.b	5.NBT.A.3
Lesson 6: Compare Decimals on the Number Line	5.NBT.A, 5.NBT.A.3.b	5.NBT.A, 5.NBT.A.4
Lesson 7: Round Doubloons	5.NBT.A.3, 5.NBT.A.4	5.NBT.A.3, 5.NBT.A.4
Lesson 8: Round Decimals	5.NBT.A.3.b, 5.NBT.A.4	5.NBT.A.3, 5.NBT.A.4
Lesson 9: Order Decimals	5.NBT.A.3.b	5.NBT.A.3
Lesson 10: Solve Problems with Decimals	5.NBT.A.3, 5.NBT.A.4	5.NBT.A.3, 5.NBT.A.4
Lesson 11: Make Sense of Decimal Addition	5.NBT.B.7	5.NBT.B.7
Lesson 12: Estimate and Add	5.NBT.B.7	5.NBT.B.7
Lesson 13: Analyze Addition Mistakes	5.NBT.B.7	5.NBT.B.7
Lesson 14: Make Sense of Decimal Subtraction	5.NBT.B.7	5.NBT.B.7
Lesson 15: Estimate and Subtract	5.NBT.B.7	5.NBT.B.7
Lesson 16: Addition and Subtraction	5.NBT.B.7	5.NBT.B.7
Lesson 17: Multiply Decimals and Whole Numbers	5.NBT.B.7, 5.OA.A.2	5.NBT.B.7, 5.OA.A.2
Lesson 18: Use Whole Number Facts	5.NBT.B.7, 5.OA.A.1	5.NBT.B.7, 5.OA.A.1
Lesson 19: Use Properties to Multiply Decimals	5.NBT.B.7, 5.OA.A	5.NBT.B.7, 5.OA.A.

Lesson 20: Products in the Hundredths Place	5.NBT.B.7, 5.NF.B.4	5.NBT.B.7, 5.NF.B.4
Lesson 21: Multiply More Decimals	5.NBT.A.1, 5.NBT.B.7	5.NBT.A.1, 5.NBT.B.7
Lesson 22: Divide Whole Numbers by 0.1 and 0.01	5.NBT.B.7	5.NBT.B.7
Lesson 23: Divide Whole Numbers by Decimals	5.NBT.B.7, 5.OA.A.2	5.NBT.B.7, 5.OA.A.2
Lesson 24: Divide Decimals by Whole Numbers	5.NBT.B.7	5.NBT.B.7
Lesson 25: Divide Decimals by Decimals	5.NBT.B.7	5.NBT.B.7
Lesson 26: Book Drive	5.NBT.A.3, 5.NBT.B.7	5.NBT.A.3, 5.NBT.B.7

Unit 6

Measurement Conversions and Fraction Operations

Lesson	IM Standards	Arkansas Standards
Lesson 1: Place Value Patterns	5.NBT.A	5.NBT.A
Lesson 2: Powers of 10	5.NBT.A.1, 5.NBT.A.2	5.NBT.A.1, 5.NBT.A.2
Lesson 3: Metric Conversion and Multiplication by Powers of Ten	5.MD.A.1, 5.NBT.A.2	5.MD.A.1, 5.NBT.A.2
Lesson 4: Metric Conversion and Division by Power of Ten	5.MD.A.1, 5.NBT.A.2	5.MD.A.1, 5.NBT.A.2
Lesson 5: Multi-step Conversion Problems: Metric Length	5.MD.A.1, 5.NBT.A.1	5.MD.A.1, 5.NBT.A.1
Lesson 6: Multi-step Conversion Problems: Metric Liquid Volume	5.MD.A.1, 5.NBT.A.2	5.MD.A.1, 5.NBT.A.2
Lesson 7: Multi-step Conversion Problems: Customary Length	5.MD.A.1	5.MD.A.1
Lesson 8: Add and Subtract Fractions	5.NF.A.	5.NF.A.1
Lesson 9: Use Equivalent Expressions	5.NF.A.1, 5.NF.A.2	5.NF.A.1, 5.NF.A.2
Lesson 10: All Sorts of Denominators	5.NF.A.1	5.NF.A.1
Lesson 11: Different Ways to Subtract	5.NF.A.1, 5.NF.A.2	5.NF.A.1, 5.NF.A.2
Lesson 12: Solve Problems	5.NF.A.1, 5.NF.A.2	5.NF.A.1, 5.NF.A.2
Lesson 13: Put It All Together: Add and Subtract Fractions	5.NF.A.1	5.NF.A.1
Lesson 14: Representing Fractions on a Line Plot	5.MD.B.2, 5.NF.A.1	5.MD.B.2, 5.NF.A.1
Lesson 15: Problem Solving with Line Plots	5.MD.B.2, 5.NF.A.2, 5.NF.B.4	5.MD.B.2, 5.NF.A.2, 5.NF.B.4
Lesson 16: Compare Products	5.NF.B.5.a	5.NF.B.5
Lesson 17: Interpret Diagrams	5.NF.B.5.a, 5.NF.B.5.b	5.NF.B.5
Lesson 18: Compare Without Multiplying	5.NF.B.5.a	5.NF.B.5

Lesson 19: Compare to 1	5.NF.B.5.b	5.NF.B.5
Lesson 20: Will it Always Work?	5.NF.B.5, 5.NF.B.5.b, 5.OA.A	5.NF.B.5, 5.OA.A
Lesson 21: Weekend Investigation	5.MD.B.2, 5.NF.A.2, 5.NF.B.4	5.MD.B.2, 5.NF.A.2, 5.NF.B.4

Unit 7

Geometry and the Coordinate Plane

Lesson	IM Standards	Arkansas Standards
Lesson 1: Explore the Coordinate Grid	5.G.A.1	5.G.A.1
Lesson 2: Points on the Coordinate Grid	5.G.A.1	5.G.A.1
Lesson 3: Plot More Points	5.G.A.1	5.G.A.1
Lesson 4: Sort Quadrilaterals	5.G.B.3, 5.G.B.4	5.G.B.3, 5.G.B.4
Lesson 5: Trapezoids	5.G.B.4	5.G.B.4
Lesson 6: Hierarchy of Quadrilaterals	5.G.B.3, 5.G.B.4	5.G.B.3, 5.G.B.4
Lesson 7: Rectangles and Squares	5.G.B.3, 5.G.B.4	5.G.B.3, 5.G.B.4
Lesson 8: Sort Triangles	5.G.B, 5.G.B.3, 5.G.B.4	5.G.B.3, 5.G.B.4
Lesson 9: Generate Patterns	5.OA.B.3	5.G.B.3
Lesson 10: Interpret Relationships	5.OA.B.3	5.G.B.3
Lesson 11: Patterns and Ordered Pairs	5.OA.B.3	5.G.B.3
Lesson 12: Represent Problems on the Coordinate Grid	5.G.A.2, 5.OA.A.2	5.G.A.2, 5.OA.A.2
Lesson 13: Perimeter and Area of Rectangles	5.G.A.2, 5.NBT.B.7, 5.OA.B.3	5.G.A.2, 5.NBT.B.7, 5.OA.B.3

Unit 8

Putting It All Together

Lesson	IM Standards	Arkansas Standards
Lesson 1: Find the Largest Product	5.NBT.B.5	5.NBT.B.5
Lesson 2: More Multiplication	5.NBT.B.5	5.NBT.B.5
Lesson 3: Factors as a Factor in Our Strategy Choice	5.NBT.B.5	5.NBT.B.5
Lesson 4: Dive Back Into Division	5.G.B.3, 5.G.B.4, 5.NBT.B.6	5.G.B.3, 5.G.B.4, 5.NBT.B.6
Lesson 5: More Division	5.NBT.B.6	5.NBT.B.6
Lesson 6: Revisit Volume	5.MD.C.5	5.MD.C.5
Lesson 7: Estimating Volume with the World's Largest Wagon	5.MD.C.5, 5.NBT.B.5	5.MD.C.5, 5.NBT.B.5
Lesson 8: Filling Up the World's Largest Wagon	5.MD.C.5, 5.NBT.B.5, 5.NBT.B.6	5.MD.C.5, 5.NBT.B.5, 5.NBT.B.6
Lesson 9: Problem Solving with Volume: Water	5.MD.C.5	5.MD.C.5
Lesson 10: Here Comes the Sum	5.NF.A.1	5.NF.A.1
Lesson 11: What's the Difference?	5.NF.A.1	5.NF.A.1
Lesson 12: Decimal Game Day	5.NBT.B.7	5.NBT.B.7
Lesson 13: Multiply Fractions Game Day	5.NF.B.4	5.NF.B.4
Lesson 14: Notice and Wonder	5.G, 5.MD, 5.NBT, 5.NF, 5.NF.B.3, 5.OA	5.G, 5.MD, 5.NBT, 5.NF, 5.NF.B.3, 5.OA
Lesson 15: Estimation Exploration	5.NBT.B.5	5.NBT.B.5
Lesson 16: Number Talk	5.NBT.B.6	5.NBT.B.6
Lesson 17: True or False?	5.NF.A.1	5.NF.A.1
Lesson 18: Which One Doesn't Belong?	5.MD.C.3	5.MD.C.3

Standards Not Addressed

Standard Number	Standard Description
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Standards Partially Addressed

Standard Number	Standard Description
5.MD.C.3	<p>Recognize volume as an attribute of solid figures and understand concepts of volume measurement:</p> <ul style="list-style-type: none"><li data-bbox="354 684 1624 747">• A cube with side length 1 unit, called a "unit cube," is said to have "one cubic unit" of volume, and a solid figure is said to have a certain number of cubic units of volume if it can be packed without gaps or overlaps using a certain number of unit cubes.<li data-bbox="354 751 1624 814">• A solid figure, which can be packed without gaps or overlaps using n unit cubes, is said to have n cubic units of volume.