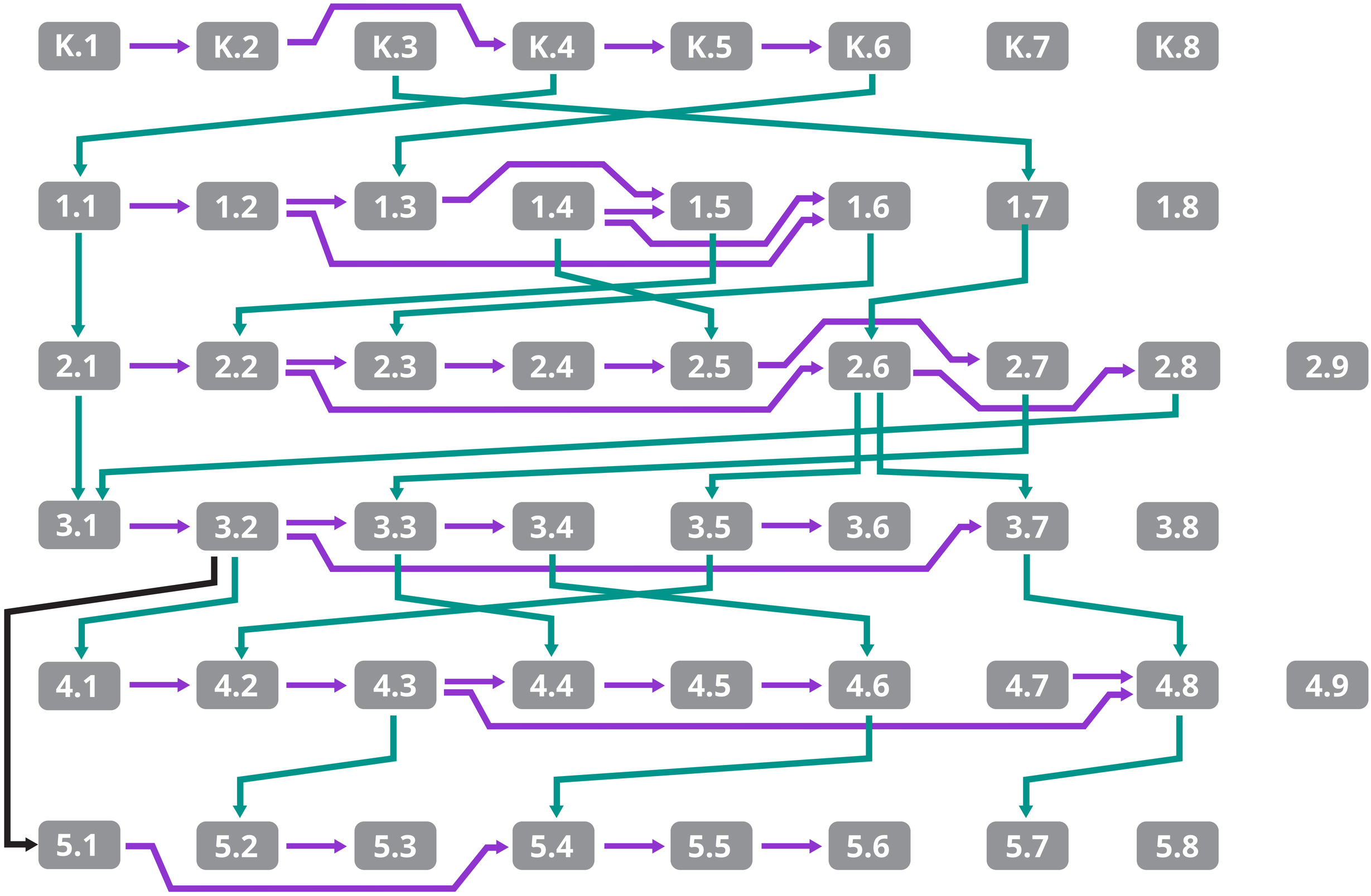
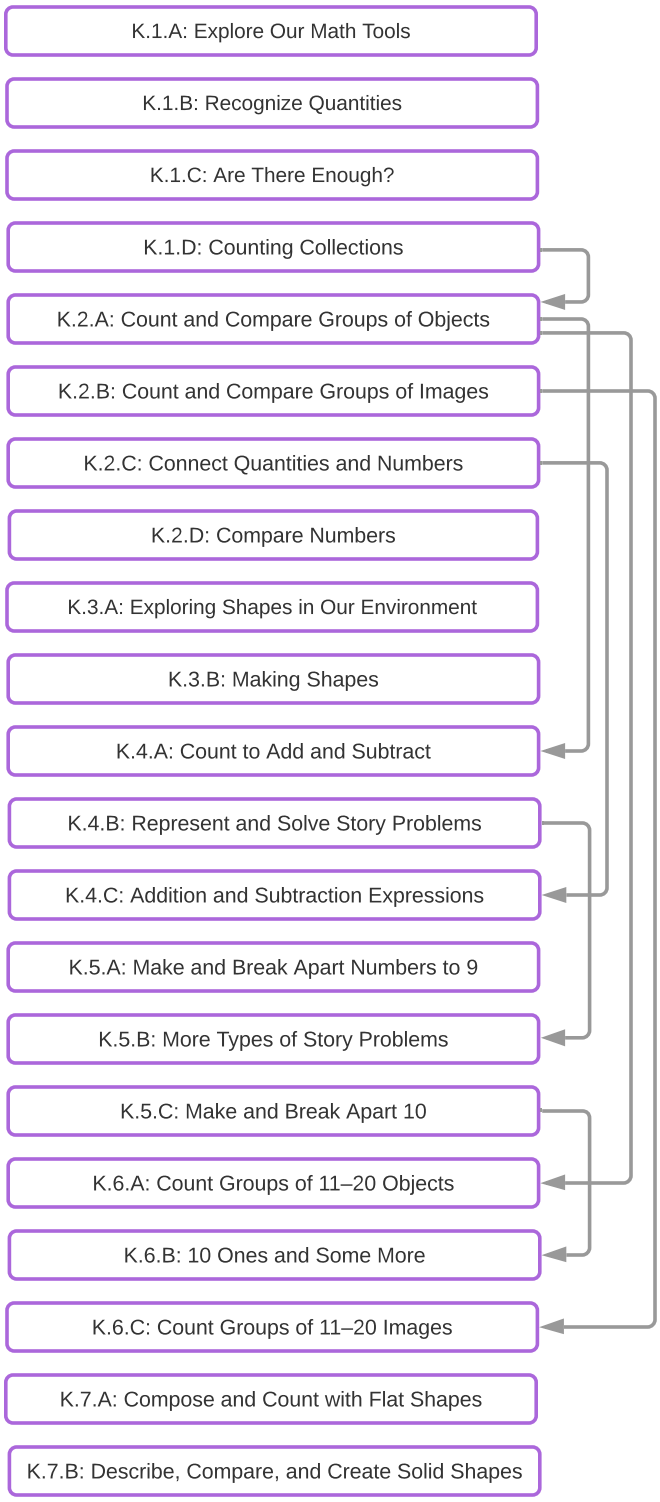
IM K–5 MATH

Illustrative Mathematics
LEARN MATH FOR LIFE

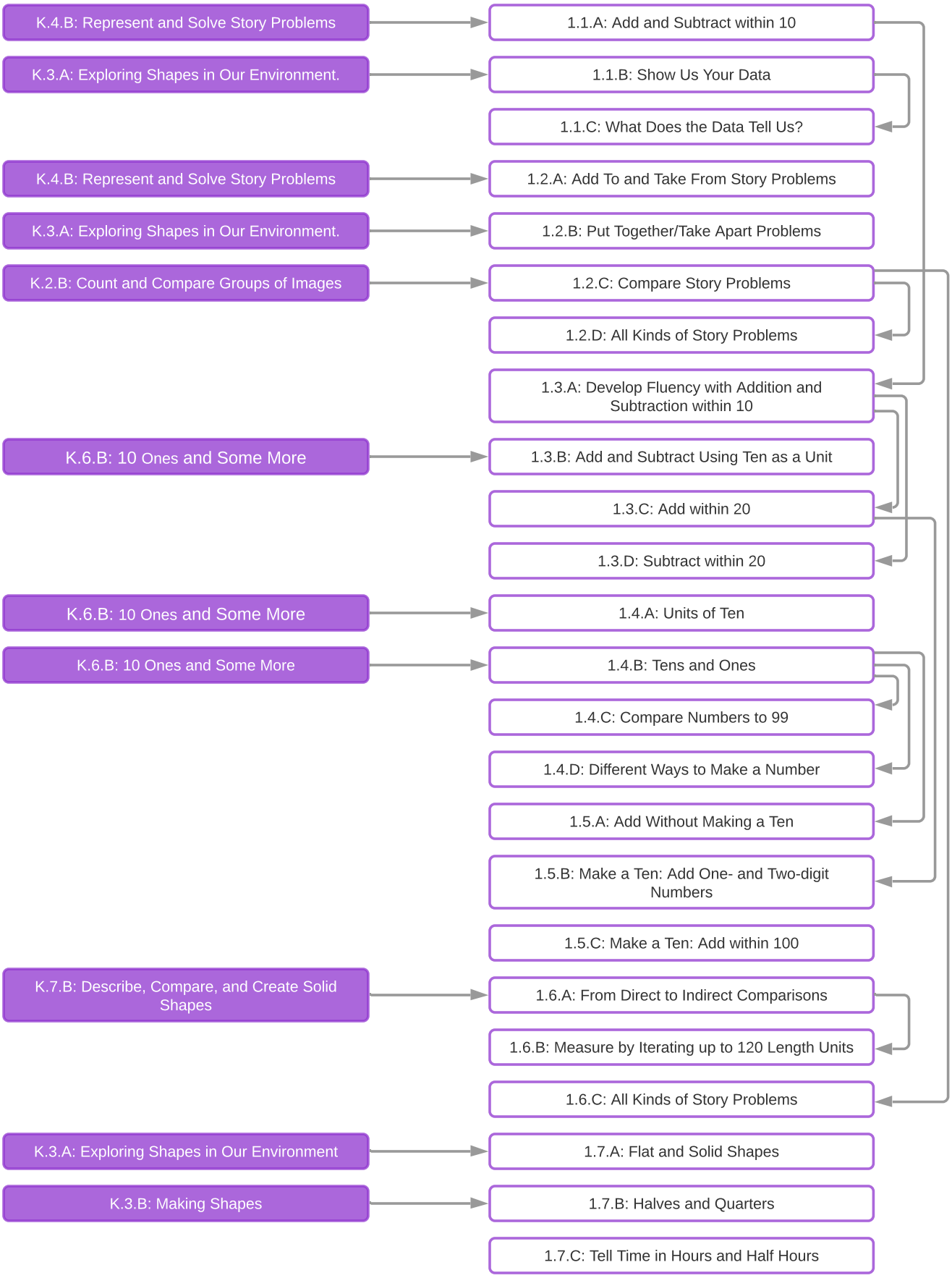
Unit Dependency Chart



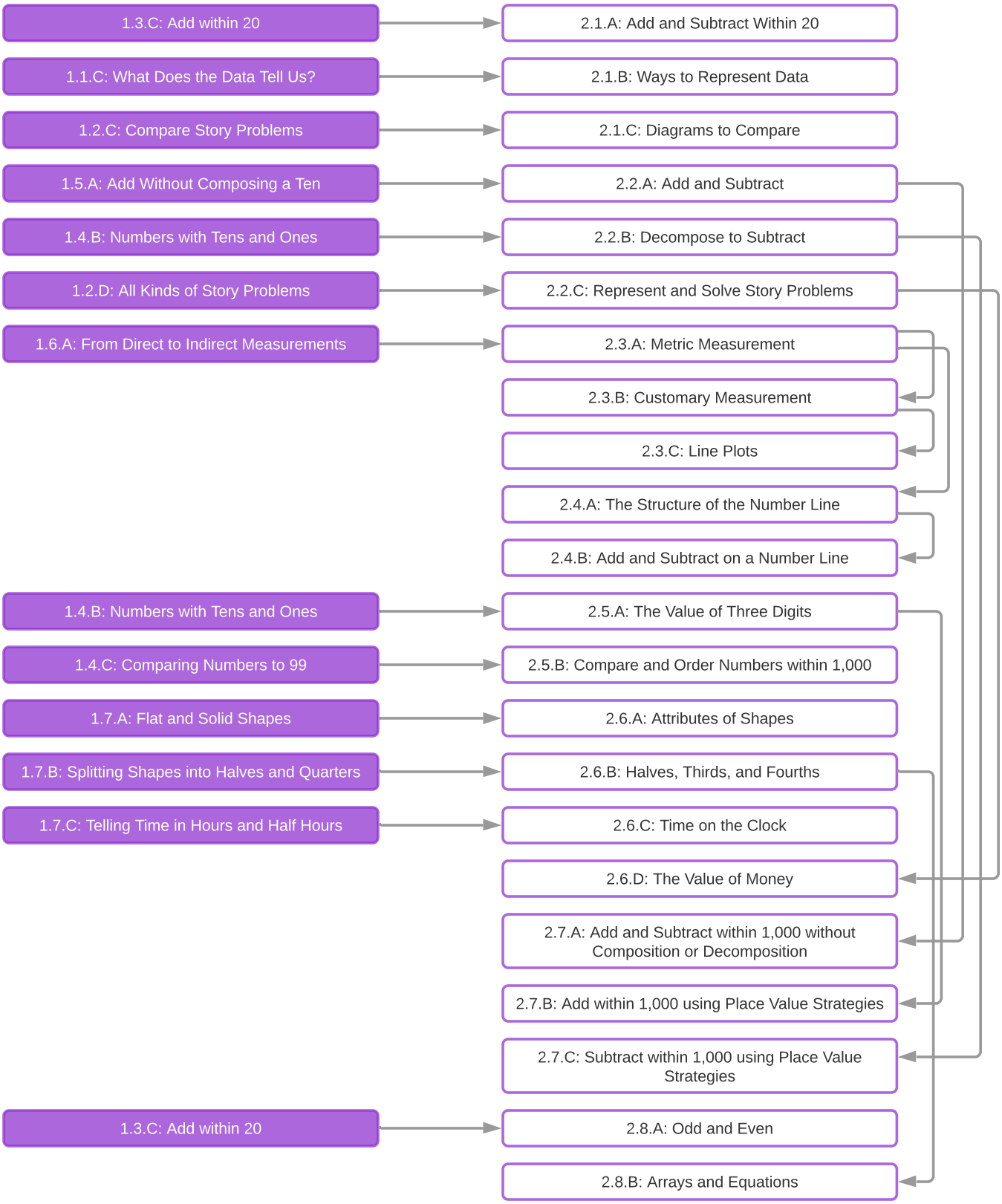
Section Dependency Chart
Kindergarten



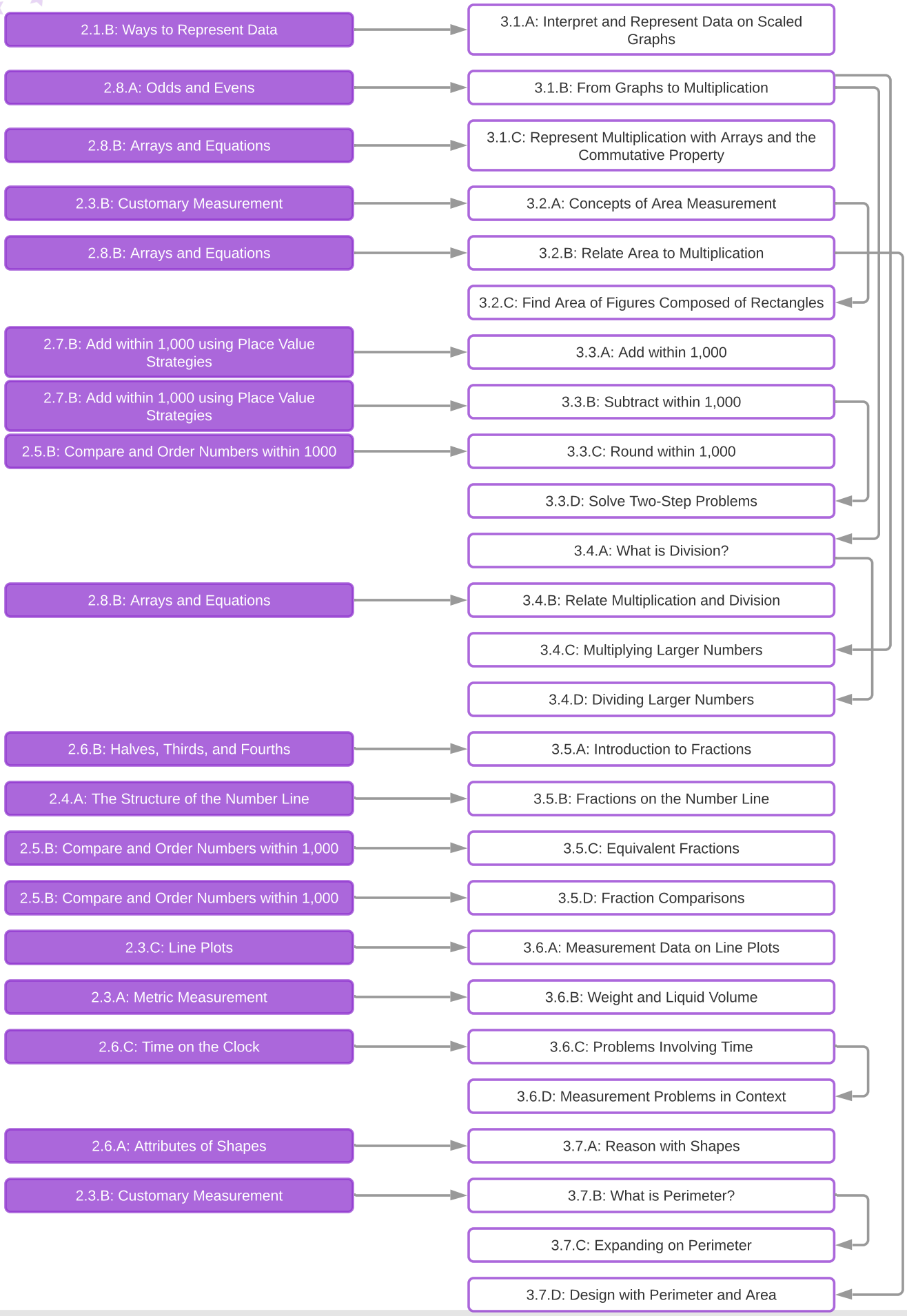
Section Dependency Chart
Grade 1



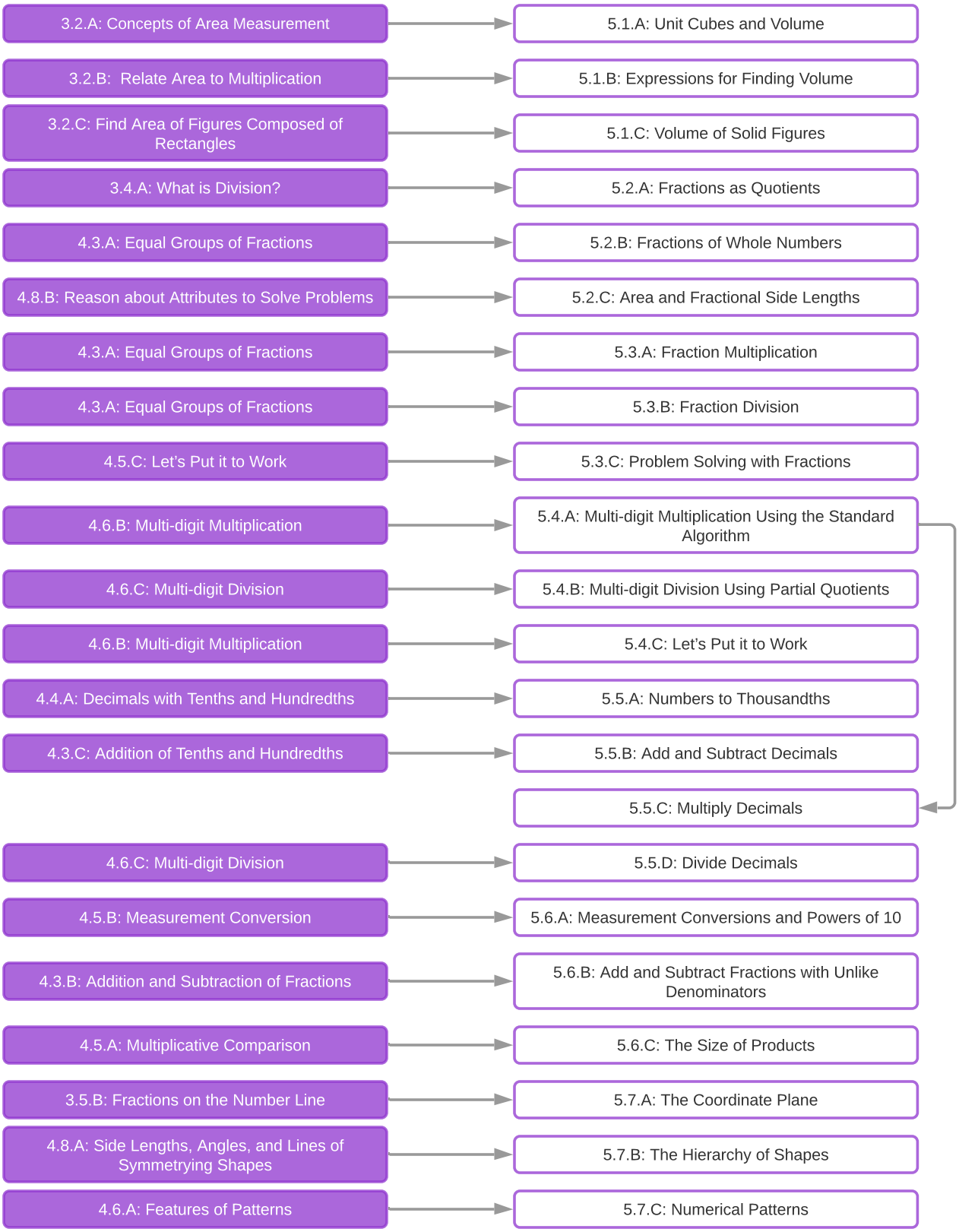
Section Dependency Chart
Grade 2



Section Dependency Chart
Grade 3



3.1.B: From Graphs to Multiplication	4.1.A: Understand Factors and Multiples
3.1.B: From Graphs to Multiplication	4.1.B: Find Factor Pairs and Multiples
3.5.B: Fractions on the Number Line	4.2.A: Size and Location of Fractions
3.5.C: Equivalent Fractions	4.2.B: Equivalent Fractions
3.5.D: Fraction Comparisons	4.2.C: Fraction Comparison
3.1.B: From Graphs to Multiplication	4.3.A: Equal Groups of Fractions
3.5.B: Fractions on the Number Line	4.3.B: Addition and Subtraction of Fractions
	4.3.C: Addition of Tenths and Hundredths
3.5.A: Introduction to Fractions	4.4.A: Decimals with Tenths and Hundredths
3.3.A: Numbers within 1,000	4.4.B: Place-value Relationships through 1,000,000
2.5.B: Compare and Order Numbers within 1,000	4.4.C: Compare, Order, and Round
3.3.B: Add within 1,000	4.4.D: Add and Subtract
3.1.B: From Graphs to Multiplication	4.5.A: Multiplicative Comparison
3.6.B: Weight and Liquid Volume	4.5.B: Measurement Conversion
3.1.B: From Graphs to Multiplication	4.5.C: Let's Put it to Work
	4.6.A: Features of Patterns
3.4.C: Multiplying Larger Numbers	4.6.B: Multi-digit Multiplication
3.4.D: Dividing Larger Numbers	4.6.C: Multi-digit Division
3.4.C: Multiplying Larger Numbers	4.6.D: Let's Put It to Work: Problem Solving with Large Numbers
3.7.A: Reason with Shapes	4.7.A: Points, Lines, Segments, Rays, and Angles
3.7.A: Reason with Shapes	4.7.B: The Size of Angles
3.7.A: Reason with Shapes	4.7.C: Angle Analysis
3.7.A: Reason with Shapes	4.8.A: Side Lengths, Angles, and Lines of Symmetry
3.7.B: What is Perimeter?	4.8.B: Reason about Attributes to Solve Problems


3.2.A: Concepts of Area Measurement
5.1.A: Unit Cubes and Volume
3.2.B: Relate Area to Multiplication
5.1.B: Expressions for Finding Volume
3.2.C: Find Area of Figures Composed of Rectangles
5.1.C: Volume of Solid Figures
3.4.A: What is Division?
5.2.A: Fractions as Quotients
4.3.A: Equal Groups of Fractions
5.2.B: Fractions of Whole Numbers
4.8.B: Reason about Attributes to Solve Problems
5.2.C: Area and Fractional Side Lengths
4.3.A: Equal Groups of Fractions
5.3.A: Fraction Multiplication
4.3.A: Equal Groups of Fractions
5.3.B: Fraction Division
4.5.C: Let's Put it to Work
5.3.C: Problem Solving with Fractions
4.6.B: Multi-digit Multiplication
5.4.A: Multi-digit Multiplication Using the Standard Algorithm
4.6.C: Multi-digit Division
5.4.B: Multi-digit Division Using Partial Quotients
4.6.B: Multi-digit Multiplication
5.4.C: Let's Put it to Work
4.4.A: Decimals with Tenths and Hundredths
5.5.A: Numbers to Thousandths
4.3.C: Addition of Tenths and Hundredths
5.5.B: Add and Subtract Decimals
5.5.C: Multiply Decimals
4.6.C: Multi-digit Division
5.5.D: Divide Decimals
4.5.B: Measurement Conversion
5.6.A: Measurement Conversions and Powers of 10
4.3.B: Addition and Subtraction of Fractions
5.6.B: Add and Subtract Fractions with Unlike Denominators
4.5.A: Multiplicative Comparison
5.6.C: The Size of Products
3.5.B: Fractions on the Number Line
5.7.A: The Coordinate Plane
4.8.A: Side Lengths, Angles, and Lines of Symmetrying Shapes
5.7.B: The Hierarchy of Shapes
4.6.A: Features of Patterns
5.7.C: Numerical Patterns