

Grade 4 - Learning Progressions

Adopted 2021

K-5 Learning Progressions

Numerical Reasoning

Numbers (whole numbers, fractions, and decimal numbers)

1. Whole numbers to 100,000 [4.LP1.1.1](#)
2. Non-unit fractions with denominators of 2, 3, 4, 5, 6, 8, 10, 12, and 100 [4.LP1.1.2](#)
3. Fractions with like denominators [4.LP1.1.3](#)
4. Decimal fractions (tenths and hundredths) [4.LP1.1.4](#)

Counting

1. Counting non-unit fractions [4.LP1.2.1](#)

Place Value

1. Magnitude of place value [4.LP1.3.1](#)
2. Multi-digit whole numbers to 100,000 [4.LP1.3.2](#)
3. Round multi-digit whole numbers [4.LP1.3.3](#)
4. Fractions with [4.LP1.3.4](#)
5. denominators of 10 or 100 [4.LP1.3.5](#)

Comparisons

1. Multi-digit numbers [4.LP1.4.1](#)
2. Fractions less than 1 [4.LP1.4.2](#)
3. Decimal fractions to hundredths place [4.LP1.4.3](#)

Computational Fluency

1. Fluency with addition and subtraction with multi-digit whole numbers [4.LP1.5.1](#)

Addition & Subtraction

1. Within 100,000 [4.LP1.6.1](#)
2. Fractions with like denominators [4.LP1.6.2](#)

Multiplication & Division

1. Factors and multiples 4.LP1.7.1
 2. Prime and composite numbers 4.LP1.7.2
 3. Multiply by multi-digit whole numbers 4.LP1.7.3
 4. Divide by 1-digit divisors 4.LP1.7.4
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Patterning & Algebraic Reasoning

Patterns

1. Generate number and shape patterns that follow a rule 4.LP2.1.1
 2. Represent and describe patterns 4.LP2.1.2
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Geometric & Spatial Reasoning

Shapes And Properties

1. Points, lines, line segments, rays, angles, and parallel & perpendicular line segments 4.LP3.1.1
2. Classify, compare, & contrast polygons based on presence or absence of parallel or perpendicular line segments, angles of a specified size or side lengths. 4.LP3.1.2

Geometric Measurement

1. Area and perimeter of composite rectangles 4.LP3.2.1
 2. Angle measurement 4.LP3.2.2
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Measurement & Data Reasoning

Measurement & Data

1. Measure liquid volume, distance, and mass using the metric measurement system 4.LP4.1.1
2. Use rulers to measure lengths to nearest $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ of an inch 4.LP4.1.2
3. Analyze data using dot plots (with values to the nearest $\frac{1}{8}$ of a unit) 4.LP4.1.3

Money

1. Using money as a tool or manipulative to solve problems 4.LP4.2.1

Time

1. Intervals of time 4.LP4.3.1
2. Elapsed time to the nearest minute 4.LP4.3.2