



1. Number Sense and Operations:

- Addition, subtraction, multiplication, and division of multi-digit numbers.
- Understanding place value up to thousands and beyond.
- Rounding numbers to the nearest ten, hundred, or thousand.

Phet Links:
[Arithmetic](#)

2. Fractions and Decimals:

- Comparing and ordering fractions and decimals.
- Adding and subtracting fractions with common denominators.
- Converting fractions to decimals and vice versa.

Phet Links:
[Build a Fraction](#)
[Fraction Matcher](#)
[Fractions: Intro](#)
[Fractions: Mixed Numbers](#)
[Area Model Decimals](#)

LabXchange Links:
[Probability](#)

3. Measurement:

- Length, weight, capacity, and volume using standard units (e.g., centimeters, grams, liters).
- Converting between different units of measurement (e.g., meters to centimeters, kilograms to grams).

Phet Links:
[Area Builder](#)

LabXchange Links:
[Time, Speed & Distance](#)
[Basic Water Facts](#)

4. Geometry:

- Classifying and identifying 2D shapes (e.g., polygons, quadrilaterals) and 3D shapes (e.g., prisms, pyramids).
- Understanding angles and their measurements.
- Symmetry and transformations (e.g., reflections, translations).

Phet Links:
[Area Builder](#)
[Quadrilateral](#)

LabXchange Links:
[Coordinates & Equations](#)

5. Data and Graphs:

- Reading and interpreting more complex bar graphs, line plots, and line graphs.
- Understanding measures of central tendency (e.g., mean, median, mode).

LabXchange Links:
[Introduction to Statistics](#)
[Data Visualization](#)

6. Patterns and Algebra:

- Identifying, extending, and creating number patterns and sequences.
- Basic algebraic expressions and equations (e.g., solving for unknowns).

Phet Links:
[Expression Exchange](#)

LabXchange Links:
[Coordinates & Equations](#)
[Probability](#)

7. Word Problems and Real-Life Applications:

- Multistep word problems involving all four operations.
- Applying mathematical concepts to real-life situations.

LabXchange Links:
[Reasoning, Planning and Solving Problems](#)