

Math

Major Clusters



Note:
These are
end-of-year
expectations
for...

Fifth Grade

Numbers & Operations in Base Ten

I can...

- Understand and explain the value of the digits in a multi-digit number.
- Explain patterns when a decimal is multiplied or divided by a power of 10.
- Read, write, and compare decimals to thousandths.
- Round decimals to any place.
- Fluently multiply multi-digit whole numbers.
- Divide four-digit dividends by two-digit divisors.
- Add, subtract, multiply, and divide decimals to hundredths.
- Use concrete models or drawings and explain the reasoning I used.

Numbers and Operations Fraction

I can...

- Add and subtract fractions with unlike denominators (including mixed numbers.)
- Solve word problems using addition and subtraction of fractions.
- Understand a fraction as division of the numerator by the denominator.
- Solve word problems involving division of whole numbers where the answers are in the form of fractions or mixed numbers.
- Multiply a fraction or a whole number by a fraction.
- Think of multiplication as the scaling or resizing of a number.
- Solve real-world problems involving multiplication of fractions and mixed numbers.
- Divide fractions by whole numbers and whole numbers by fractions.

Measurement and Data (MD. 3-5)

I can...

- Understand volume in solid figures.
- Measure volume by counting unit cubes.
- Relate volume to multiplication and addition and solve real-world and mathematical problems involving volume.
- I can use the formulas $V = l \times w \times h$ and $V = b \times h$ to find the volume of an object.

Math (continued)

Supporting and Additional Clusters	
Operations and Algebraic Thinking	I can... ● Use parentheses, brackets, or braces in numerical expressions. ● Write simple math expressions by using mathematical symbols. ● Find all of the prime factors of a whole number in the range of 2-50. Use numerical rules and patterns to form ordered pairs, ● Graph ordered pair on a coordinate plane.
Geometry	I can... ● Convert measurements within the same measuring system. ● Make a line plot to display a data set of measurements in fractions of a unit.
Measurement and Data	I can... ● Convert measurements within the same measuring system. ● Make a line plot to display a data set of measurements in fractions of a unit.
Number and Operations - Fractions	I can... ● Solve real-world problems involving multiplication of fractions and mixed numbers.