

4th Grade Math

Essential Skills and Concepts

I Can...

Number and Operations:

1. Use place value to compare two numbers with $<$, $>$, $=$.
2. Read and write whole numbers in different forms.
3. Round, add, and subtract whole numbers.
4. Multiply and divide whole numbers up to four digits (with and without remainders) and explain my calculations.

Operations and Algebraic Thinking:

1. Solve word problems by choosing the correct operations using variables, mental math, and estimation when needed.
2. Find factors for numbers 1-100, identifying the prime and composite numbers.
3. Create a pattern using numbers or shapes to follow a rule.

Geometry:

1. Identify points, lines, line segments, rays, angles, and perpendicular and parallel lines.
2. Draw and name basic geometric objects.
3. Group quadrilaterals and triangles based on common characteristics.
4. Identify symmetrical objects and draw the lines of symmetry.

Fractions:

1. Make equivalent fractions.
2. Compare two fractions using $<$, $>$, $=$.
3. Add and subtract fractions and mixed numbers with like denominators.
4. Multiply fractions, whole numbers, and mixed numbers converting mixed numbers to improper fractions and improper fractions to mixed numbers.
5. Compare fractions with a denominator of 10, 100, and 1000 to numbers in decimal form.
6. Compare two decimals (to the hundredths) place using $<$, $>$, $=$.

Measurement and Data and Records:

1. Choose units of measure for everyday items.
2. Convert measurements by multiplying or dividing.
3. Calculate the area and perimeter of rectangular objects.
4. Recognize, measure, and draw angles using a protractor.
5. Use addition and subtraction to figure out angle measurement.