



Fifth Grade Mathematics

Refer to the Utah State Mathematics Standards for more detail

Mathematical Practices

1. Make sense of problems and persevere in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

Operations and Algebraic Thinking

- a. Write and interpret numerical expressions.
- b. Analyze patterns and relationships.

Number and Operations in Base Ten

- a. Understand the place value system (decimals to thousandths).
- b. Perform operations with multi-digit whole numbers and with decimals to hundredths.

Number and Operations- Fractions

- a. Use equivalent fractions as a strategy to add and subtract fractions.
- b. Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Measurement and Data

- a. Convert like measurement units within a given measurement system.
- b. Represent and interpret data.
- c. Understand concepts of geometric measurement and volume, as well as how multiplication and addition relate to volume.

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Geometry

- a. Graph points on the coordinate plane to solve real-world and mathematical problems in quadrant one.
- b. Classify two-dimensional figures into categories based on their properties.