



FIFTH GRADE MATHEMATICS

Represent and Understand Multiplication and Division

- Fluently multiply multi-digit whole numbers using the standard algorithm
- Divide whole numbers with up to four-digit dividends and two-digit divisors
- Multiply and divide decimals to hundredths (Dividing decimals is limited to a whole number dividend with a decimal divisor or a decimal dividend with a whole number divisor.)

Develop Understanding of Fractions

- Use equivalent fractions as a strategy to add and subtract fractions with unlike denominators including mixed numbers
- Understand that fractions are interpreted as division of the numerator by the denominator
- Multiply a fraction or whole number by a fraction including real-world problems
- Interpret multiplication as scaling
- Divide unit fractions by whole numbers and whole numbers by unit fractions using reasoning about the relationship between multiplication and division

Generalize and Use Place Value Understanding

- Understand patterns in place value including decimals and powers of ten
- Add, subtract, multiply and divide decimals to hundredths

Mathematical Practices

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

