



Common Core Standards Alignments

Common Core State Standards for Mathematics in Grades 3 - 5

GRADE 3

Operations and Algebraic Thinking

- *Represent and solve problems involving multiplication and division.*
- *Understand properties of multiplication and the relationship between multiplication and division.*
- *Multiply and divide within 100.*
- *Solve problems involving the four operations, and identify and explain patterns in arithmetic.*

Number and Operations in Base Ten

- *Use place value understanding and properties of operations to perform multi-digit arithmetic.*

Number and Operations - Fractions

- *Develop understanding of fractions as numbers.*

Measurement and Data

- *Solve problems involving measurement .*
- *Represent and interpret data.*

MATHEMATICAL PRACTICES - ASSOCIATED WITH MATHEMATICS AT ALL GRADE LEVELS

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.*

GRADE 4

Operations and Algebraic Thinking

- *Use the four operations with whole numbers to solve problems.*
- *Gain familiarity with factors and multiples.*
- *Generate and analyze patterns.*

Number and Operations in Base Ten

- *Use place value understanding and properties of operations to perform multi-digit arithmetic.*

Number and Operations - Fractions

- *Understand decimal notation for fractions, and compare decimal fractions.*

Measurement and Data

- *Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.*
- *Represent and interpret data.*



GRADE 5
Operations and Algebraic Thinking
<ul style="list-style-type: none">• <i>Write and interpret numerical expressions.</i>• <i>Analyze patterns and relationships.</i>
Number and Operations in Base Ten
<ul style="list-style-type: none">• <i>Perform operations with multi-digit whole numbers and with decimals to hundredths.</i>
Measurement and Data
<ul style="list-style-type: none">• <i>Convert like measurement units within a given measurement system.</i>• <i>Represent and interpret data.</i>
Geometry
<ul style="list-style-type: none">• <i>Graph points on the coordinate plane to solve real-world and mathematical problems.</i>

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