

Common Core Standards Alignments

Common Core State Standards for Mathematics in Grades 3 - 6

GRADE 3

Operations and Algebraic Thinking

- *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.*

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.*
- *Generate and analyze patterns.*

Number and Operations in Base Ten

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

Measurement and Data

- *Represent and interpret data.*

GRADE 5

Operations and Algebraic Thinking

- *Write and interpret numerical expressions.*
- *Analyze patterns and relationships.*

Measurement and Data

- *Convert like measurement units within a given measurement system.*
- *Represent and interpret data.*

GRADE 6
Ratios and Proportional Relationships
<ul style="list-style-type: none">• <i>Understand ratio concepts and use ratio reasoning to solve problems.</i>
The Number System
<ul style="list-style-type: none">• <i>Compute fluently with multi-digit numbers and find common factors and multiples.</i>
Expressions and Equations
<ul style="list-style-type: none">• <i>Apply and extend previous understandings of arithmetic to algebraic expressions.</i>• <i>Reason about and solve one-variable equations</i>

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