



Third Grade

concepts & tools

3.NR.1: Use place value reasoning to represent, read, write, and compare numerical values up to 10,000 and round whole numbers up to 1,000.

Base Ten Blocks

Model and Identify the value of digits in three digit numbers

3.PAR.2: Use part-whole strategies to represent and solve real-life problems involving addition and subtraction with whole numbers up to 10,000.

Base Ten Blocks

Model addition

Model addition with regrouping

Model subtraction



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3.PAR.2: Use part-whole strategies to represent and solve real-life problems involving addition and subtraction with whole numbers up to 10,000.

Number Line

Add within 1000

Subtract within 1000



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3.PAR.3: Use part-whole strategies to solve real-life, mathematical problems involving multiplication and division with whole numbers within 100.

100 chart, 120 chart

Skip counting by 5s and 10s

Patterns for multiples of 9

Number Line

Skip count to Multiply

Skip count to Divide

Skip count by Multiples of Ten



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3.PAR.3: Use part-whole strategies to solve real-life, mathematical problems involving multiplication and division with whole numbers within 100.

Array

Write a Multiplication Equation for an Array

Commutative Property

Distributive Property

Using Known Facts to Help your Students Multiply by Three

Use Arrays to Multiply by Nine

Multiply Three Factors

Multiply/ Divide



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3.PAR.3: Use part-whole strategies to solve real-life, mathematical problems involving multiplication and division with whole numbers within 100.

Base Ten Blocks

Multiply by Multiples of Ten

Tape Diagram

Multiply with a Tape Diagram

Divide with a Tape Diagram

Use a Tape Diagram to Multiply by Ten

Learning Multiples with a Tape Diagram

Divide with a Tape Diagram- 6's/7's



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3.NR.4: Represent fractions with denominators of 2, 3, 4, 6 and 8 in multiple ways within a framework using visual models

Number Line

Plot and Label Fractions

Model Equivalent Fractions

Relate Fractions to Whole Numbers

Compare Fractions

Order Fractions