

## 3-5 Math Resources for Teachers and Parents



### Common Core Curriculum Videos on Math Models

#### Number Lines

- [Vertical Number Line: Rounding](#)
- [Progression of Fractions through Number Lines](#)

#### Number Bonds

- [Progression of Number Bonds: Grades 3-5](#)
- [Number Bond Decomposition: Grades 3-5](#)
- [Number Bond Decomposition: Operations with Mixed Units](#)
- [Number Bond Decomposition: Multiplication](#)
- [Number Bond Decomposition: Division and Multiplication Algorithms Grades 3-5](#)
- [Number Bond Decomposition: Fractions](#)

#### Number Disks

- [General Story of Units Number Disks](#)
- [Multiplication Algorithms Using Number Disks](#)
- [Division Algorithms Using Number Disks](#)
- [Decimal Subtraction Problems Using Number Disks](#)

#### Arrays

- [Array Model Progressions](#)
- [Concrete Representation of the Array Pattern](#)
- [Arrays with Number Disks](#)
- [Arrays with Fractions](#)

#### Word Problems

- [Progression of Multiplication and Division Tape Diagrams](#)
- [Tape Diagrams/Word Problems](#)
- [Tape Diagrams: Grade 5](#)

#### Process

- [An Introduction to Sprints](#)
- [Choral Response + Motion Fluency + Happy Counting + Sprints](#)

## Lessons in Learnzillion.com

### Grade 3: In-Depth *Focus Standards*

- 3.OA.3 (5 lessons) [Solve multiplication and division word problems](#)
- 3.OA.6 (4 lessons) [Understand division as unknown-factor problems](#)
- 3.NF.3 (8 lessons) [Understanding equivalent fractions](#)  
(5 lessons) [Recognize and generate simple equivalent fractions](#)  
(3 lessons) [Comparing fractions with the same numerator and denominator](#)
- 3.MD.2 (8 lessons) [Measure and estimate liquid volumes and masses of objects](#)  
(4 lessons) [Solve word problems about mass and volume](#)
- 3.MD.7 (4 lessons) [Relate area to the operations of multiplication and addition](#)

### Grade 4: In-Depth *Focus Standards*

- 4.NBT.5 (5 lessons) [Multiply multi-digit whole numbers](#)
- 4.NBT.6 (5 lessons) [Find whole number quotients and remainders with up to four-digit dividends](#)
- 4.NF.1 (5 lessons) [Understand and explain equivalent fractions using visual models](#)
- 4.NF.2 (8 lessons) [Compare fractions by creating common denominators or numerators \(2\)](#)
- 4.NF.3 (5 lessons) [Understanding addition and subtraction of fractions and decomposing fractions \(2\)](#)

### Grade 5: In-Depth *Focus Standards*

- 5.NBT.1 (5 lessons) [Recognize the value of digits in a multi-digit number](#)
- 5.NBT.6 (5 lessons) [Find whole number quotients with up to 4-digit dividends and 2-digit divisors](#)
- 5.NF.2 (5 lessons) [Solve word problems involving addition and subtraction of fractions w/unlike denominators](#)
- 5.NF.4 (5 lessons) [Multiply Fractions](#)  
(5 lessons) [Find area of rectangle with fractional side lengths](#)
- 5.MD.5 (7 lessons) [Understand volume . . . and relate volume to multiplication and addition](#)