

K-6 MATHEMATIC TOPIC TOOLS FOR TEACHERS AND PARENTS

Below are video links teachers and parents may utilize as a visual tool to aid in helping their student with Math concepts (each video is 5-10 minutes in duration)

Add and Subtract Whole Numbers

Solving Addition Problems Using Place Value with Base Ten Blocks:

<https://learnzillion.com/lessons/3118-explain-addition-using-place-value>

Solving Addition Problems Using Decomposing Numbers: <https://learnzillion.com/lessons/3053-explain-addition-by-decomposing-numbers>

<https://learnzillion.com/lessons/3053-explain-addition-by-decomposing-numbers>

Solving Subtraction Problems Using Place Value with Base Ten Blocks:

<https://learnzillion.com/lessons/3119>

Solving Subtraction Problems Using Decomposing Numbers: <https://learnzillion.com/lessons/3084>

Solving Addition and Subtraction Problems Using Bar Models: <https://learnzillion.com/lessons/2564-solve-word-problems-by-drawing-bar-models>

Solving Addition and Subtraction Problems with Missing Parts Using Bar Models:

<https://learnzillion.com/lessons/3025-solve-word-problem-with-missing-parts-by-drawing-bar-models>

Coordinate Graphing

Locate a Point on a Coordinate Plane: <https://learnzillion.com/lessons/3470-locate-a-point-on-the-coordinate-plane>

Estimation

Rounding in Problem Situations: <https://learnzillion.com/lessons/527-round-in-real-life-situations>

Fractions – Adding and Subtracting

Adding unequal denominators with fraction bars: <http://learnzillion.com/lessons/973-add-fractions-with-different-denominators-using-fraction-bars>

Adding unequal fractions with area models: <http://learnzillion.com/lessons/2659-add-fractions-with-unlike-denominators-by-creating-area-models>

Fractions – Multiply and Divide

Multiply a Whole Number by a Fraction: <https://learnzillion.com/lessons/3421>

Multiply a Fraction by a Fraction: <https://learnzillion.com/student/lessons/3468-multiply-a-fraction-by-a-fraction-using-visual-representations>

Multiply a Fraction by a Mixed Number: <https://learnzillion.com/student/lessons/3358-multiply-fractions-by-mixed-numbers-using-visual-representatio>

Multiply a Mixed by a Mixed Number: <https://learnzillion.com/student/lessons/3362-multiply-mixed-numbers-by-mixed-numbers-using-visual-representations>

Divide a Whole Number by a Fraction: <https://learnzillion.com/lessons/3541>

Divide a Fraction by a Whole Number: <https://learnzillion.com/student/lessons/3592-divide-a-fraction-by-a-whole-number>

Divide a Fraction by a Fraction: <https://learnzillion.com/student/lessons/3593-compute-quotients-of-fractions-in-real-world-problems>

Integers

Subtracting Integers Using Color Counters: <https://learnzillion.com/lessons/2990-subtract-integers-using-integer-chips>

Subtracting Integers Using a Number line: <https://learnzillion.com/lessons/3082-subtract-integers-using-number-lines>

Multiply a negative integer by a negative integer: <https://learnzillion.com/lessons/1647-multiply-a-negative-integer-by-a-negative-integer-by-thinking-about-equal-groups>

Multiply a positive integer by a negative integer: <https://learnzillion.com/lessons/1645-multiply-a-positive-integer-by-a-negative-integer-by-thinking-about-equal-groups>

Multiply a negative integer by a positive integer: <https://learnzillion.com/lessons/1646-multiply-a-negative-integer-by-a-positive-integer-by-thinking-about-equal-groups>

Multiplication and Division Whole Numbers

Multiplication using Array Strategy: <https://learnzillion.com/lessons/1875-use-an-array-to-multiply-a-two-digit-number-by-a-one-digit-number>

Multiplication using Area Model Strategy: <https://learnzillion.com/lessons/1876-use-area-models-to-show-multiplication-of-whole-numbers>

Multiplication and Division Whole Numbers (continued)

2 digit by 2 digit Multiplication using Area Model Strategy: <https://learnzillion.com/lessons/1879-use-an-area-model-for-multiplication-of-two-digit-numbers-by-two-digit-numbers>

Place Value Properties

Place Value to 1,000: <https://learnzillion.com/lessons/3294-understand-the-value-of-a-number>

Using Expanded Form: <https://learnzillion.com/lessons/3478-use-expanded-form-to-understand-place-value-of-3-digit-numbers>

Composing and Decomposing Numbers through 100 <https://learnzillion.com/lessons/3384-combine-tens-ones-and-hundreds-to-create-numbers>

Properties

Distributive Property:

<https://learnzillion.com/search?utf8=%E2%9C%93&query=distributive%20property&page=1&models%5B%5D=Resource>

Combining like terms using associative and commutative properties:

<https://learnzillion.com/student/lessons/3341>

Time

Telling Time to the nearest 5 minutes: <https://learnzillion.com/student/lessons/2629-tell-time-to-the-nearest-5-minutes-using-analog-and-digital-clocks>

Elapsed Time: <https://learnzillion.com/lessons/578-solving-elapsed-time-word-problems-to-the-nearest-minute>

Types of Graphs

Dot Plot: <https://learnzillion.com/lessons/3873-create-a-dot-plot>

Box Plot: <https://learnzillion.com/student/lessons/3878-create-a-box-plot>