**6th GRADE KHAN ACADEMY LINKS**

Here is a set of Khan Academy activities related to the topics we are learning in class. If you are not sure what to practice, you can always find something here! Most sections have an instructional video followed by a practice set.

**Factors and Multiples, Operations with Whole Numbers**

1. Identify Factors

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-factors-mult/v/finding-factors-of-a-number>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-factors-mult/v/finding-factors-and-multiples>

2. Greatest Common Factor

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-greatest-common-divisor/v/greatest-common-divisor-factor-exercise>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-greatest-common-divisor/v/greatest-common-divisor>

3. Least Common Multiple

<https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/adding-and-subtracting-rational-expressions/v/least-common-multiple-exercise>

<https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/adding-and-subtracting-rational-expressions/v/least-common-multiple-exercise-2>

 4. GCF/LCM Word Problems

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-greatest-common-divisor/v/lcm-and-gcf-greatest-common-factor-word-problems>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-greatest-common-divisor/e/gcf-and-lcm-word-problems>

 5. Long Division

-> 2 digit divisors

<https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/level-4-division>

<https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/v/dividing-2-digits-no-remainder>

<https://www.khanacademy.org/math/arithmetic-home/multiply-divide/mult-digit-div-2/e/division_3>

**Fraction and Decimal Operations**

1. Dividing fractions

<https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-dividing-fractions/v/conceptual-understanding-of-dividing-fractions-by-fractions>

<https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-dividing-fractions/v/dividing-fractions-example>

<https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-dividing-fractions/a/dividing-fractions-review>

<https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-dividing-fractions/e/dividing_fractions_1.5>

2. Adding decimals

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/v/introduction-to-adding-decimals-tenths>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/v/andding-decimals-with-hundredths>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/v/adding-decimals-example-2>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/v/adding-decimals-example-2>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/e/adding_decimals_2>

3. Subtracting decimals

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-sub-decimals/v/strategies-for-subtracting-more-complex-decimals-with-tenths>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-sub-decimals/v/more-advanced-subtraction-strategies-with-hundredths>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-sub-decimals/v/subtracting-decimals-up-to-thousandths-place>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-sub-decimals/e/subtracting_decimals_2>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-sub-decimals-word-problems/v/subtracting-decimals-word-problem>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-sub-decimals-word-problems/e/adding_and_subtracting_decimals_word_problems>

4. Multiplying decimals

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-multiplying-decimals/v/intro-to-multiplying-decimals>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-multiplying-decimals/v/more-intuition-on-multiplying-decimals>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-multiplying-decimals/e/multiplying_decimals_0.5>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-multiplying-decimals/e/multiplying_decimals_1>

5. Dividing decimals

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/v/dividing-completely-to-get-decimal-answer>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/e/dividing_decimals_0.5>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/v/division-strategies-for-decimal-quotients>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/e/dividing_decimals_1>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/v/multi-digit-division-strategies-for-decimals>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/v/dividing-decimals-completely>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/v/long-division-with-decimals>

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-dividing-decimals/a/dividing-decimals-without-the-standard-algorithm>

**Expressions**

1. Identify Equivalent Expressions

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-equivalent-exp/cc-6th-equivalent-expressions/v/equivalent-algebraic-expressions-exercise>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-equivalent-exp/cc-6th-equivalent-expressions/e/equivalent-forms-of-expressions-1>

2. Simplify Expressions using the Distributive Property

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-arith-prop/pre-algebra-ditributive-property/v/the-distributive-property>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-arith-prop/pre-algebra-ditributive-property/v/distributive-property-exercise>

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-manipulating-expressions/v/combining-like-terms-and-the-distributive-property>

3. Simplify Expressions by Combining Like Terms

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-manipulating-expressions/v/combining-like-terms>

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-manipulating-expressions/v/combining-like-terms-3>

4. Write Expressions From Words:

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-alg-expression-word-problems/v/writing-basic-expressions-from-word-problems-examples>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-alg-expression-word-problems/a/writing-algebraic-expressions-in-word-problems>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-alg-expression-word-problems/e/writing-expressions-with-variables-word-problems>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-alg-expression-word-problems/v/more-fancy-expressions-from-word-problems>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-alg-expression-word-problems/e/writing-basic-algebraic-expressions-word-problems-2>

5. Evaluate expressions for a given value of the variable(s)

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-intro-to-variables/v/variables-and-expressions-1>

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-intro-to-variables/a/evaluating-expressions-with-one-variable>

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-intro-to-variables/e/evaluating_expressions_1>

**Equations**

1. Write an Equation from words

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-equation-word-problems/v/constructing-basic-equations-examples>

2. Solve Equations with one variable

-> one step

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-add-sub-equationss/v/adding-and-subtracting-the-same-thing-from-both-sides>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-add-sub-equationss/v/solving-one-step-equations>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-add-sub-equationss/e/one_step_equations>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-mult-div-equations/v/simple-equations>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-mult-div-equations/v/solving-one-step-equations-2>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-mult-div-equations/e/linear_equations_1>

-> one step (with fractions and decimals)

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-add-sub-equationss/v/examples-of-one-step-equations-with-fractions-and-decimals>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-add-sub-equationss/e/one-step-add-sub-equations-2>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-mult-div-equations/v/one-step-multiplication-and-division-equations-with-fractions>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-equations-expressions/pre-algebra-one-step-mult-div-equations/e/one-step-mult-div-equations-2>

3. Solve word problems involving equations with two variables (IV and DV)

<https://www.khanacademy.org/math/algebra/introduction-to-algebra/alg1-dependent-independent/e/dependent-and-independent-variables>

4. Graph Inequalities on a number line

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/v/plotting-inequalities-on-a-number-line>

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/v/inequalities-on-a-number-line>

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/e/inequalities_on_a_number_line>

5. Solve and graph one-step inequalities on a number line

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/v/real-world-situations-with-inequalities>

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/e/inequalities-in-one-variable-1>

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-one-step-inequalities/v/inequalities-using-multiplication-and-division>

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-one-step-inequalities/e/one_step_inequalities>

<https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-one-step-inequalities/v/inequalities>

**Integers and the Coordinate Plane**

1. Absolute value and opposites

<https://www.khanacademy.org/math/arithmetic/arith-review-negative-numbers#arith-review-number-opposites>

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-absolute-value-new/v/absolute-value-of-integers>

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-absolute-value-new/v/absolute-value-and-number-lines>

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-absolute-value-new/e/absolute_value>

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-absolute-value-new/v/interpreting-absolute-value>

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-absolute-value-new/e/absolute-value-word-problems>

2. Ordering Integers

<https://www.khanacademy.org/math/arithmetic/arith-review-negative-numbers/arith-review-order-neg-numbers/v/ordering-negative-numbers>

<https://www.khanacademy.org/math/arithmetic/arith-review-negative-numbers/arith-review-order-neg-numbers/e/ordering_negative_numbers>

3. Identifying Coordinates

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-geometry-topic/cc-5th-coordinate-plane/v/introduction-to-the-coordinate-plane>

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-geometry-topic/cc-5th-coordinate-plane/e/identify-coordinates>

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-geometry-topic/cc-5th-coordinate-plane/e/identifying-points>

4. Graphing points

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-geometry-topic/cc-5th-coordinate-plane/v/graphing-points-exercise>

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-geometry-topic/cc-5th-coordinate-plane/e/graphing_points>

<https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-geometry-topic/cc-5th-coordinate-plane/a/graph-points-review>

5. Finding the Distance between points

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-negative-numbers/pre-algebra-coordinate-plane/v/coordinate-plane-word-problems-exercise>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-negative-numbers/pre-algebra-coordinate-plane/e/relative-position-on-the-coordinate-plane>

**Geometry - Area, Volume, Surface Area**

1. Parallelograms

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-parallelogram-area/v/intuition-for-area-of-a-parallelogram>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-parallelogram-area/e/area_of_parallelograms>

2. Triangles

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area-triangle/v/intuition-for-area-of-a-triangle>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area-triangle/v/example-finding-area-of-triangle>

3. Trapezoids

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-of-a-trapezoid-1>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/e/areas_of_trapezoids_rhombi_and_kites>

4. Composite figures

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-breaking-up-shape>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/e/area-of-quadrilaterals-and-polygons>

5. Volumes of rectangular prisms

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-with-fractions/v/volume-of-a-rectangular-prism-with-fractional-dimensions>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-with-fractions/e/volume_with_fractions>

6. Area and perimeter on a coordinate plane

<https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/quadrilaterals-on-plane/v/area-of-parallelogram-on-coordinate-plane>

<https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/quadrilaterals-on-plane/e/area-and-perimeter-on-the-coordinate-plane>

<https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/quadrilaterals-on-plane/v/dimensions-of-rectangle-from-coordinates-example>

<https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/quadrilaterals-on-plane/e/polygons-in-the-coordinate-plane>

**Ratios and Proportions**

1. Introduction to ratios

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratios-intro/v/ratios-intro>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/a/intro-to-ratios>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratios-intro/e/representing-ratios>

2. Equivalent ratios

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/e/understand-equivalent-ratios>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/e/ratio_word_problems>

3. Unit rate

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/v/finding-unit-rates>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/e/unit-rates>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/v/finding-unit-prices>

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/v/ratio-word-problem-exercise-example-1>

4. Convert between measurement units

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/v/ratio-word-problem-exercise-example-2>

5. Percents

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/describing-the-meaning-of-percent>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/e/intro-to-percents>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-decimal-conversions/v/representing-a-number-as-a-decimal-percent-and-fracti>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-problems/v/finding-percentages-example>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-problems/v/taking-a-percentage-example>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percent-problems/v/solving-percent-problems-2>

**Statistics**

1. Statistical questions

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6-statistical-questions/v/understanding-statistical-questions>

2. Representing data

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/dot-plot/v/ways-to-represent-data>

 3. Dot plots & frequency tables

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/dot-plot/v/frequency-tables-and-dot-plots>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/dot-plot/v/frequency-tables-and-dot-plots>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/dot-plot/e/analyzing-with-dot-plots>

4. Histograms

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/histograms/v/histograms-intro>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/histograms/v/interpreting-histograms>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/histograms/e/reading-histograms>

5. Measures of central tendency

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/mean-and-median/v/statistics-intro-mean-median-and-mode>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/mean-and-median/v/mean-median-and-mode>

6. Measures of variability

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th/v/calculating-interquartile-range-iqr>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th/e/calculating-the-interquartile-range--iqr->

6. Box plots

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/reading-box-and-whisker-plots>

<https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/e/analyzing-data-with-box-plots>