

Grade 6 Summer Resources

If you just completed 6th grade in a grade-level math classroom, you can use the following links to reinforce skills from 5th and 6th grade:

<https://www.thecurriculumcorner.com/thecurriculumcorner456/wp-content/pdf/seasonal/endofyear/6thsummermath.pdf>

<https://www.thecurriculumcorner.com/thecurriculumcorner456/wp-content/pdf/seasonal/endofyear/5thsummermath.pdf>

If you just completed 6th grade in an accelerated class and are headed to Math 8H, you may use the above resources as well as the links below to reinforce pre-algebra topics (*See end of document for help tips on utilizing schoolyourself.org):

Operations on Signed Numbers

Number Line: <https://schoolyourself.org/learn/algebra/number-line>

Addition: <https://schoolyourself.org/learn/algebra/addition>

Subtraction: <https://schoolyourself.org/learn/algebra/subtraction>

Adding Negatives: <https://schoolyourself.org/learn/algebra/adding-negatives>

Subtracting Negatives: <https://schoolyourself.org/learn/algebra/subtracting-negatives>

Absolute Value: <https://schoolyourself.org/learn/algebra/absolute-value>

Number Line Distance: <https://schoolyourself.org/learn/algebra/distance-1d>

Multiplication: <https://schoolyourself.org/learn/algebra/multiplication>

Multiplying by 1 and 0: <https://schoolyourself.org/learn/algebra/multiplicative-identities>

Division: <https://schoolyourself.org/learn/algebra/division>

Dividing by Zero: <https://schoolyourself.org/learn/algebra/divide-by-zero>

Order of Operations: <https://schoolyourself.org/learn/algebra/pmdas>

Distributive Property: <https://schoolyourself.org/learn/algebra/distributive-law>

Multiplying Negatives: <https://schoolyourself.org/learn/algebra/multiplying-negatives>

Dividing Negatives: <https://schoolyourself.org/learn/algebra/dividing-negatives>

Distributing Negatives: <https://schoolyourself.org/learn/algebra/distribute-negative>

Brackets and Braces (extra parenthesis): <https://schoolyourself.org/learn/algebra/brackets>

Fractions

Intro to Fractions: <https://schoolyourself.org/learn/algebra/fractions>

Multiplying Fractions: <https://schoolyourself.org/learn/algebra/multiplying-fractions>

Comparing Fractions: <https://schoolyourself.org/learn/algebra/comparing-fractions>

Cancellation: <https://schoolyourself.org/learn/algebra/cancellation>

Adding Fractions: <https://schoolyourself.org/learn/algebra/adding-fractions>

Dividing Fractions: <https://schoolyourself.org/learn/algebra/dividing-fractions>

Reciprocals: <https://schoolyourself.org/learn/algebra/reciprocal>

Mixed Fractions: <https://schoolyourself.org/learn/algebra/mixed-numbers>

Distributing Division: <https://schoolyourself.org/learn/algebra/distribute-division>

When “of” means Multiply: <https://schoolyourself.org/learn/algebra/multiply-of>

Equations

Solving for Unknowns: <https://schoolyourself.org/learn/algebra/number-line-solve>

Algebraic Expressions: <https://schoolyourself.org/learn/algebra/evaluate>

Solving by Adding: <https://schoolyourself.org/learn/algebra/unitary-solve>

Solving by Multiplying: <https://schoolyourself.org/learn/algebra/coefficient-solve>

Cross Multiplication: <https://schoolyourself.org/learn/algebra/cross-multiplication>

Coefficients: <https://schoolyourself.org/learn/algebra/coefficients>

Combining Like Terms: <https://schoolyourself.org/learn/algebra/simplify>

Multi-Step Equations: <https://schoolyourself.org/learn/algebra/linear-solve>

Literal Equations: <https://schoolyourself.org/learn/algebra/linear-multivariable>

Unsolvable Equations: <https://schoolyourself.org/learn/algebra/no-solution>

Inequalities

Inequalities: <https://schoolyourself.org/learn/algebra/inequality-1d>

Solving Inequalities: <https://schoolyourself.org/learn/algebra/inequality-1d-solve>

Negative Inequalities: <https://schoolyourself.org/learn/algebra/inequality-1d-negative>

The Coordinate Plane

The Coordinate Plane: <https://schoolyourself.org/learn/algebra/cartesian>

Quadrants: <https://schoolyourself.org/learn/algebra/quadrants>

If you just completed 6th grade in an accelerated class and are headed to Math 9H, you may use the above resources as well as the links below to reinforce pre-algebra topics (*See end of document for help tips on utilizing schoolyourself.org):

Laws of Exponents

Exponents: <https://schoolyourself.org/learn/algebra/higher-powers>

Multiplying Powers: <https://schoolyourself.org/learn/algebra/multiplying-powers>

Dividing Powers: <https://schoolyourself.org/learn/algebra/dividing-powers>

Raising a Power to a Power: <https://schoolyourself.org/learn/algebra/combining-powers>

Distributing Powers: <https://schoolyourself.org/learn/algebra/distribute-powers>

Zero Exponents: <https://schoolyourself.org/learn/algebra/zero-power>

Negative Exponents: <https://schoolyourself.org/learn/algebra/negative-powers>

Equations

Combining Like Terms: <https://schoolyourself.org/learn/algebra/simplify>

Solving Equations: <https://schoolyourself.org/learn/algebra/linear-solve>

Literal Equations: <https://schoolyourself.org/learn/algebra/linear-multivariable>

Systems of Equations

Systems of Equations: <https://schoolyourself.org/learn/algebra/two-equations>

Inequalities

Inequalities: <https://schoolyourself.org/learn/algebra/inequality-1d>

Solving Inequalities: <https://schoolyourself.org/learn/algebra/inequality-1d-solve>

Negative Inequalities: <https://schoolyourself.org/learn/algebra/inequality-1d-negative>

Slope

Slope (introduction): <https://schoolyourself.org/learn/algebra/slope-intro>

Slope Formula: <https://schoolyourself.org/learn/algebra/slope-formula>

Negative Slopes: <https://schoolyourself.org/learn/algebra/slope-negative>

Zero Slope: <https://schoolyourself.org/learn/algebra/slope-zero>

Find the Slope of Any line: <https://schoolyourself.org/learn/algebra/slope-read>

Parallel Slopes: <https://schoolyourself.org/learn/algebra/slope-parallel>

Perpendicular Slopes: <https://schoolyourself.org/learn/algebra/slope-perpendicular>

Graphing Lines

Graphing a Line: <https://schoolyourself.org/learn/algebra/first-line>

Slope Intercept Form: <https://schoolyourself.org/learn/algebra/slope-intercept>

Point – Slope Form: <https://schoolyourself.org/learn/algebra/point-slope>

Reading Graphs: <https://schoolyourself.org/learn/algebra/read-graph>

Intercepts (x and y): <https://schoolyourself.org/learn/algebra/intercepts>

Solving for Intersections: <https://schoolyourself.org/learn/algebra/intersection-solve>

School Yourself Tips

Many of these lessons will involve use of an interactive website called "School Yourself". It is a wonderful resource will help you understand concepts at your own pace. Here is demonstration of how it works:
https://schoolyourself.org/learn/intro/intro_module

Please note:

“School Yourself” works best on a laptop, Chromebook, or desktop computer (your phone or ipad will not work as well) and also best using Google Chrome or Firefox web browsers.

*** Also, you can click on the bottom of the toolbar to get “hints” and to slow down and speed up the video.**