

Rising Algebra 1 – Summer Work
Select Grade 7

- A.2** Prime factorization
- A.4** Divisibility rules
- A.5** Greatest common factor
- A.6** Least common multiple
- B.6** Integer inequalities with absolute values
- C.3** Add and subtract integers
- C.7** Multiply and divide integers
- C.8** Complete multiplication and division equations with integers
- C.9** Evaluate numerical expressions involving integers
- E.5** Divide decimals
- E.11** Evaluate numerical expressions involving decimals
- G.18** Evaluate numerical expressions involving fractions
- H.1** Convert between decimals and fractions or mixed numbers
- H.4** Compare rational numbers
- H.6** Add and subtract rational numbers
- H.8** Multiply and divide rational numbers
- I.4** Exponents with negative bases
- I.5** Exponents with decimal and fractional bases
- I.8** Evaluate numerical expressions involving exponents
- I.9** Square roots of perfect squares
- J.10** Solve proportions
- J.11** Solve proportions: word problems
- L.2** Convert between percents, fractions, and decimals
- L.7** Solve percent equations
- M.6** Percent of a number: tax, discount, and more
- O.3** Compare and convert customary units
- O.5** Compare and convert metric units
- P.2** Quadrants and axes
- R.4** Evaluate multi-variable expressions
- R.5** Evaluate absolute value expressions
- R.6** Evaluate nonlinear expressions
- S.2** Write an equation from words
- U.1** Does (x, y) satisfy the equation?
- U.3** Find a value using two-variable equations
- U.7** Identify the graph of an equation
- U.8** Graph a two-variable equation
- Y.1** Pythagorean theorem: find the length of the hypotenuse
- Y.2** Pythagorean theorem: find the missing leg length
- AA.1** Perimeter
- AA.2** Area of rectangles and parallelograms
- AA.5** Circles: calculate area, circumference, radius, and diameter