Spring Break 2020 Grade 8 Student Resource Links



**Grade 8**

#### EEI.A.2 Investigate concepts of square and cube roots.

#### EEI.A.2.a Solve equations of the form x² = p and x³ = p, where p is a positive rational number.

* + [Solve equations using square roots (8-F.19)](https://www.ixl.com/math/grade-8/solve-equations-using-square-roots)
  + [Solve equations using cube roots (8-F.21)](https://www.ixl.com/math/grade-8/solve-equations-using-cube-roots)

#### EEI.A.2.b Evaluate square roots of perfect squares less than or equal to 625 and cube roots of perfect cubes less than or equal to 1000.

* + [Square roots of perfect squares (8-F.15)](https://www.ixl.com/math/grade-8/square-roots-of-perfect-squares)
  + [Positive and negative square roots (8-F.16)](https://www.ixl.com/math/grade-8/positive-and-negative-square-roots)
  + [Relationship between squares and square roots (8-F.18)](https://www.ixl.com/math/grade-8/relationship-between-squares-and-square-roots)
  + [Cube roots of perfect cubes (8-F.20)](https://www.ixl.com/math/grade-8/cube-roots-of-perfect-cubes)

#### EEI.A.2.c Recognize that square roots of non-perfect squares are irrational.

* + [Identify rational and irrational numbers (8-D.5)](https://www.ixl.com/math/grade-8/identify-rational-and-irrational-numbers)

#### F.A Define, evaluate and compare functions.

#### F.A.1 Explore the concept of functions. (The use of function notation is not required.)

#### F.A.1.a Understand that a function assigns to each input exactly one output.

* + - [Identify functions (8-Z.1)](https://www.ixl.com/math/grade-8/identify-functions)
    - [Identify independent and dependent variables (8-Z.3)](https://www.ixl.com/math/grade-8/identify-independent-and-dependent-variables)
    - [Complete a table for a linear function (8-Z.8)](https://www.ixl.com/math/grade-8/complete-a-table-for-a-linear-function)
    - [Complete a table and graph a linear function (8-Z.9)](https://www.ixl.com/math/grade-8/complete-a-table-and-graph-a-linear-function)
    - [Find values using function graphs (8-Z.20)](https://www.ixl.com/math/grade-8/find-values-using-function-graphs)
    - [Complete a table for a function graph (8-Z.21)](https://www.ixl.com/math/grade-8/complete-a-table-for-a-function-graph)

#### F.A.1.b Determine if a relation is a function.

* + - [Identify functions (8-Z.1)](https://www.ixl.com/math/grade-8/identify-functions)

#### F.A.1.c Graph a function.

* + - [Graph a line from an equation in slope-intercept form (8-Y.6)](https://www.ixl.com/math/grade-8/graph-a-line-from-an-equation-in-slope-intercept-form)
    - [Graph a line from an equation in standard form (8-Y.12)](https://www.ixl.com/math/grade-8/graph-a-line-from-an-equation-in-standard-form)
    - [Complete a table and graph a linear function (8-Z.9)](https://www.ixl.com/math/grade-8/complete-a-table-and-graph-a-linear-function)