

## Algebra 1 Summer Packet

Welcome to Algebra 1 - it's going to be a great year! We made the following practice to help our students. Some of you may want to just peek at the skills that support your future success; others may want to practice specific skills; still, others may want to do a little bit every day and practice all the material. Whatever you choose, know that this packet is not required. It is provided as supplemental review material, and it builds do-a-little-math everyday habits!

All the problems will be via <https://www.ixl.com/math>. There is no need to sign into IXL. You can complete ten problems per day without an account. We recommend practicing 2-3 days per week, completing ten questions during each practice session. Of course, practice until you feel confident. You can use the grids below as scratch paper for each IXL section as necessary. The QR codes get you into the specific practice for the stated topic. Just remember, this is supplemental for your benefit. (It will not be collected!) Keeping up your skills from the previous class, especially over the summer, will help you be successful.

We are excited to meet you soon in August! Have a great summer!

-The Algebra 1 Team


### Prep for Algebra 1 IXL Links

- I. Working with Integers (including negative values)
  - a. [Grade 8: C.1 Integer Addition and Subtraction Rules](#)
  - b. [Grade 8: C.3 Add and Subtract Integers](#)
  - c. [Grade 8: C.6 Integer Multiplication and Division Rules](#)
  - d. [Grade 8: C.7 Multiply and Divide Integers](#)
  - e. [Grade 8: A.5 Greatest Common Factor](#)
  
- II. Working with Fractions
  - a. [Grade 6: I.1: Fractions on Number Lines](#)
  - b. [Grade 6: I.3: Equivalent Fractions Review](#)
  - c. [Grade 8: G.7 Compare Rational Numbers](#)
  - d. [Grade 8: G.8 Put Rational Numbers in Order](#)
  - e. [Grade 8: H.2 Add and Subtract Rational Numbers](#)
  - f. [Grade 8: H.4 Apply Addition and Subtraction Rules](#)
  - g. [Grade 8: H.5 Multiply and Divide Rational Numbers](#)
  - h. [Grade 8: H.7 Apply Multiplication and Division Rules](#)
  - i. [Grade 8: H.8 Apply Addition, Subtraction, Multiplication, and Division Rules](#)
  
- III. The Coordinate Plane
  - a. [Grade 6: X.3 Graph Points on the Coordinate Plane](#)
  - b. [Grade 8: P.1 Coordinate Plane Review](#)
  - c. [Grade 8: P.2 Quadrants and Axes](#)
  
- IV. Simplifying Expressions and Solving Equations
  - a. [Grade 8: X.15 Add and Subtract Like Terms](#)
  - b. [Grade 8: Y.7 One Step Equations](#)
  - c. [Grade 8: Y.8 Two Step Equations](#)


**Space for your work / QR Codes:**

**I. Working with Integers (including negative values)**


a. [Grade 8: C.1 Integer Addition and Subtraction Rules](#)


b. [Grade 8: C.3 Add and Subtract Integers](#)


c. [Grade 8: C.6 Integer Multiplication and Division Rules](#)

d. [Grade 8: C.7 Multiply and Divide Integers](#)


					

e. [Grade 8: A.5 Greatest Common Factor](#)


					

II. Working with Fractions


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III. **The Coordinate Plane**


a. [Grade 6: X.3 Graph Points on the Coordinate Plane](#)

b. [Grade 8: P.1 Coordinate Plane Review](#)


					

c. [Grade 8: P.2 Quadrants and Axes](#)


					

**IV. Simplifying Expressions and Solving Equations**

a. [Grade 8: X.15 Add and Subtract Like Terms](#)

b. [Grade 8: Y.7 One Step Equations](#)

c. [Grade 8: Y.8 Two Step Equations](#)

