

## KINGSTON CITY SCHOOLS - SUMMER 2020 Gr 7 Mathematics Review

Dear Students,

Congratulations! You've completed a very interesting school year...a first for us all. With that said, we understand that with this interesting year came a number of challenges to "learning" the mathematics we planned to teach to prepare you for success in the years ahead. We would like to continue to support you by recommending you take some time over the summer to log into IXL and work to master our 7<sup>th</sup> grade curriculum as well as take some time to improve your knowledge base, wherever you are at this time. Below is a recommendation for keeping skills fresh for a strong start as an 8<sup>th</sup> grader!

LOG INTO IXL thru Clever (Otherwise, [IXL.com](http://IXL.com) username *6digitID@kingstoncsd* password *initials12345*)

### MATH

IXL Search topics and skills

Learning Diagnostic Analytics Teacher resources

Recommendations Skill plans Math Language arts Science Social studies Spanish NY Standards Awards

New York: MATH | LANGUAGE ARTS | SCIENCE | SOCIAL STUDIES | SPANISH

Info | Pre-K | Kindergarten | First | Second | Third | Fourth | Fifth | Sixth | **Seventh** | Eighth | High school

## New York

**Skills available for New York seventh-grade math standards**

Standards are in black and IXL math skills are in dark green. Hold your mouse over the name of a skill to view a sample question. Click on the name of a skill to practice that skill.

Here, you can see a list of all our NY State standards accompanied by the IXL skill that you can work on to master the concepts within that standard. Some of these skills were assigned this school year but revisiting them is a great way to refresh your memory of all the concepts covered throughout grade 7.

In addition to practicing skills listed with our state standards, another way to prepare yourself for moving on is using IXL's DIAGNOSTIC TOOL. Using this tool provides IXL with data that will generate a personalized set of skills you can work on to improve your math level, no matter where you are presently.

Learning Diagnostic Analytics

Keep diagnosing to narrow down your levels!

Step into the arena

Overall math level

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300

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Numbers & Operations 1 recommended skill

Algebra & Algebraic Thinking 1 recommended skill

CLICK on 1 of these for individualized practice.

### Math 7 IXL Skills Review

Students are welcome to practice any 7<sup>th</sup> grade math skills. We suggest a focus on operations with rational numbers and expressions and equations and have listed some skills in those areas for easy reference below. For tutorials to support your understanding of any of these skills, copy and paste the skill name into a Khan Academy search.

We understand this list appears lengthy, after all, we have accomplished a lot this year! Our goal for sharing this information, is simply to supply you with a reliable resource for accessing review, as needed. Know that by addressing any of these practice recommendations, you are doing so for your own well-being and confidence for entering grade 8. We wish you a summer filled with much needed re-connection with your family and friends and look forward to seeing you very soon.

## **Go to grade 7 Math IXL**

### **C. Operations with integers**

- C3 Add integers
  - New! Add three or more integers
- C4 Integer subtraction rules
- C6 Subtract integers
- C7 Integer addition and subtraction rules
- C9 Add and subtract integers
- C10 Complete addition and subtraction equations with integers
- C11 Add and subtract integers: word problems
- C12 Integer multiplication rules
- C13 Multiply integers
- C14 Integer division rules
- C15 Divide integers
- C16 Integer multiplication and division rules
- C17 Multiply and divide integers
- C18 Complete multiplication and division equations with integers
- C19 Add, subtract, multiply, and divide integers
- C20 Evaluate numerical expressions involving integers

### **R. Expressions and properties**

- R1 Write variable expressions: one operation
- R2 Write variable expressions: two or three operations
- R3 Write variable expressions: word problems
- R4 Evaluate linear expressions
- R5 Evaluate multi-variable expressions
- R6 Evaluate absolute value expressions

### **S. One-variable equations**

- S1 Which x satisfies an equation?
- S2 Write an equation from words
- S3 Model and solve equations using algebra tiles
- S4 Write and solve equations that represent diagrams
- S5 Solve one-step equations
- S6 Solve two-step equations
- S7 Solve equations: word problems
- S8 Solve equations involving like terms
- S9 Solve equations: complete the solution