

## **All INCOMING EIGHTH MATH GRADERS**

*Summer 2018 IXL Math Requirements: 5 hours*

## **INCOMING EIGHTH GRADERS - ALGEBRA TRACK**

*Summer 2018 IXL Math Requirements: 5 hours from the 8<sup>th</sup> Math Track (above), **plus** 5 hours working on any deficiencies indicated on the 7<sup>th</sup> Grade Math Diagnostics Test taken in May.*

### **IXL Grade Level: 7**

A.4:Divisibility rules

B.1:Understanding integers

B.2:Integers on number lines

B.3:Graph integers on horizontal and vertical number lines

B.4:Absolute value and opposite integers

B.5:Compare and order integers

B.6:Integer inequalities with absolute values

E.1:Add and subtract decimals

E.2:Add and subtract decimals: word problems

E.3:Multiply decimals

E.4:Multiply decimals and whole numbers: word problems

E.5:Divide decimals

E.6:Divide decimals by whole numbers: word problems

G.1:Add and subtract fractions

G.2:Add and subtract fractions: word problems

G.3:Add and subtract mixed numbers

G.4:Add and subtract mixed numbers: word problems

I.1:Understanding exponents

I.2:Evaluate exponents

I.3:Solve equations with variable exponents

I.9:Square roots of perfect squares

J.1:Understanding ratios

J.2:Identify equivalent ratios

J.3:Write an equivalent ratio

J.4:Equivalent ratios: word problems

J.5:Unit rates

R.1:Write variable expressions

R.2:Write variable expressions: word problems

S.1:Which  $x$  satisfies an equation?

S.2:Write an equation from words

S.5:Solve one-step equations

S.6:Solve two-step equations

S.7:Solve equations: word problems

S.8:Solve equations involving like terms

S.9:Solve equations: complete the solution

AA.1:Perimeter

AA.2:Area of rectangles and parallelograms

AA.3:Area of triangles and trapezoids

AA.4:Area and perimeter: word problems

AA.5:Circles: calculate area, circumference, radius, and diameter

AA.6:Circles: word problems