

## **INCOMING EIGHTH GRADERS**

*Summer 2017 IXL Math Requirements: 5 hours from the following topics:*

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

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

*Summer 2017 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.*