

# Students Entering the 8<sup>th</sup> Grade

## Summer Math Practice

The IXL topics are as follows:

### **Number Theory**

- A.1 Factors
- A.2 Divisibility rules
- A.3 Prime or composite
- A.4 Prime factorization
- A.5 Greatest common factor
- A.6 Least common multiple
- A.7 GCF and LCM: word problems
- A.9 Classify numbers

### **Operations with Integers**

- C.1 Integer addition and subtraction rules
- C.2 Add and subtract integers using counters
- C.3 Add and subtract integers
- C.4 Add and subtract three or more integers
- C.5 Add and subtract integers: word problems
- C.6 Integer multiplication and division rules
- C.7 Multiply and divide integers
- C.8 Evaluate numerical expressions involving integers

### **Rational Numbers**

- D.1 Write fractions in lowest terms
- D.2 Least common denominator
- D.3 Round decimals and mixed numbers
- D.4 Convert between decimals and fractions or mixed numbers
- D.5 Identify rational and irrational numbers
- D.6 Absolute value of rational numbers
- D.7 Compare rational numbers
- D.8 Put rational numbers in order

### **Operations with Rational Numbers**

- E.2 Add and subtract rational numbers
- E.5 Multiply and divide rational numbers

### **Ratios, Rates, and Proportions**

- H.5 Unit rates

### **Expressions and Properties**

- V.13 Multiply using the distributive property