Class of 2027
IXL Math Summer Requirements for 5th graders going into 6th grade Standard
(These sections are from 5th grade skills in IXL.)

**Place values and number sense**
- Place values
- Word Names for Numbers
- Rounding

**Geometry**
- Perimeter
- Area of squares and rectangles

**Decimals**
- What decimal number is illustrated
- Understanding decimals expressed in words
- Place values in decimal numbers
- Equivalent decimals
- Round decimals
- Decimal number lines
- Compare decimal numbers
- Put decimal numbers in order
- Convert fractions to decimals
- Convert decimals to fractions
- Compare decimals and fractions

**Addition and Subtraction**
- Add and subtract whole numbers up to billions
- Add and subtract whole numbers: word problems
- Fill in the missing digits
- Choose numbers with a particular sum or difference
- Inequalities with addition and subtraction
- Estimate sums and differences of whole numbers

**Add and subtract decimals**
- Add and subtract decimal numbers
- Complete the addition or subtraction sentence
- Inequalities with decimal addition and subtraction

**Multiplication**
- Multiply numbers ending in zeroes
- Estimate products
- Multiply a 2-digit number by a larger number
- Multiply by 3-digit numbers

**Multiply decimals**
- Multiply a decimal by a power of 10
- Multiply two decimals

**Division**
- Divide numbers ending in zeroes
- Divide by 2-digit numbers

**Division with decimals**
- Divide by powers of 10
- Decimal division patterns over increasing place value
- Division with decimal quotients
- Division with decimal quotients and rounding

**Fractions and mixed numbers**
- Fraction review
- Equivalent fractions
- Reduce fractions to simplest form
- Convert between improper fractions and mixed numbers
- Least common denominator
Compare fractions and mixed numbers
Put fractions in order
Reciprocals

**Add and subtract fractions**
Add and subtract fractions with like denominators
Add and subtract mixed numbers with like denominators
Add fractions with unlike denominators
Subtract fractions with unlike denominators
Add 3 or more fractions with unlike denominators
Add mixed numbers with unlike denominators
Subtract mixed numbers with unlike denominators

**Consumer math**
Sale prices

**Ratios, proportions, and percents**
What percentage is illustrated?
Convert between percents, fractions, and decimals
Percent of a number
Percent of a number: word problems
Compare percentages