Sixth Grade – iXL Summer Skills

Week 1 - Integers

- **M.1**Understanding integers
- **M.2**Absolute value and opposite integers
- **M.3**Integers on number lines
- **M.4**Graph integers on horizontal and vertical number lines
- **M.5**Compare and order integers

Week 2 - Operations with integers

- **N.2**Add integers
- **N.4**Subtract integers
- **N.9**Multiply integers
- **N.11**Divide integers

Week 3 - Problem solving and estimation

- **Q.1**Estimate to solve word problems
- **Q.2**Word problems with multiple steps or extra or missing information
- **Q.3**Guess-and-check word problems
- **Q.4**Distance/direction to starting point
- **Q.5**Use logical reasoning to find the order

Week 4 and 5 - Ratios, proportions, and percents

- **R.1**Write a ratio to describe objects in a picture
- **R.2**Ratio tables
- **R.3**Ratios: word problems
- **R.4**Equivalent ratios
- **R.5**Equivalent ratios: word problems
- **R.6**Compare ratios: word problems
- **R.7**Proportions
- **R.8**Unit rates and equivalent rates
- **R.9**Unit rates: word problems
- **R.10**Scale drawings

Week 6 - Coordinate plane

- **W.1**Objects on a coordinate plane
- **W.2**Graph points on a coordinate plane
- **W.3**Coordinate planes as maps
- **W.4**Distance between two points
- **W.5**Follow directions on a coordinate plane

Week 7 and 8 - Expressions and properties

- **X.2**Write variable expressions: word problems
- **X.3**Evaluate variable expressions with whole numbers
- **X.5**Evaluate variable expressions with decimals, fractions, and mixed numbers
- **X.6**Identify terms and coefficients
- **X.7**Properties of addition
- **X.8**Properties of multiplication
- **X.9**Distributive property
- **X.10**Solve for a variable using properties of multiplication
- **X.12**Add and subtract like terms

Week 9 and 10 - Geometry

- **BB.6**Complementary and supplementary angles
- **BB.7**Transversal of parallel lines
- **BB.8**Triangle review
- **BB.16**Reflection, rotation, and translation
- **BB.17**Translations: graph the image
- **BB.18**Reflections: graph the image
- **BB.19**Rotations: graph the image
- **BB.20**Symmetry
- **BB.22**Perimeter
- **BB.23**Area