

5th Grade – iXL Summer Skills

Week 1 - Exponents

- E.1 Understanding exponents
- E.2 Evaluate exponents
- E.3 Find the missing exponent or base

Number theory

- F.1 Prime and composite numbers
- F.2 Prime factorization

Week 2 - Mixed operations

- O.2 Add, subtract, multiply, and divide whole numbers: word problems
- O.6 Add, subtract, multiply, and divide decimals: word problems
- O.8 Add, subtract, multiply, and divide fractions and mixed numbers: word problems

Week 3 - Ratios, proportions, and percents

- Q.1 Determine the ratio
- Q.2 Ratio tables
- Q.3 Ratios: word problems
- Q.4 Equivalent ratios
- Q.5 Proportions

Week 4 - Coordinate plane

- T.1 Objects on a coordinate plane
- T.2 Graph points on a coordinate plane
- T.3 Coordinate planes as maps
- T.4 Follow directions on a coordinate plane
- T.5 Objects on a coordinate plane - all four quadrants
- T.6 Quadrants

Week 5 and 6 - Variable expressions

- U.1 Write variable expressions
- U.2 Write variable expressions: word problems
- U.3 Evaluate variable expressions
- U.4 Write variable equations: word problems
- U.5 Solve equations with whole numbers
- U.6 Solve equations with decimals
- U.7 Find a value using two-variable equations
- U.8 Complete a table for a two-variable relationship

Weeks 7 and 8 - Measurement

- Y.1 Choose the appropriate customary unit of measure
- Y.2 Compare and convert customary units of length
- Y.3 Compare and convert customary units of weight
- Y.4 Compare and convert customary units of volume
- Y.7 Choose the appropriate metric unit of measure
- Y.8 Compare and convert metric units of length
- Y.9 Compare and convert metric units of weight
- Y.10 Compare and convert metric units of volume

Weeks 9 and 10 - Geometry

- Z.7 Classify quadrilaterals
- Z.8 Reflection, rotation, and translation
- Z.10 Similar and congruent
- Z.11 Nets of 3-dimensional figures
- Z.12 Types of angles
- Z.15 Perimeter
- Z.16 Area of squares and rectangles
- Z.17 Area of triangles
- Z.18 Area of parallelograms and trapezoids
- Z.19 Area of compound figures