

## 6th Grade Summer Math Practice - OPTIONAL but highly recommended.

Please know that these IXL will be assigned during the school year.

Website: [www.IXL.com](http://www.IXL.com)

### Whole numbers

1. [A.6 Add and subtract whole numbers](#)

### Multiplication

1. [B.1 Multiply whole numbers](#)
2. [B.4 Multiply numbers ending in zeroes](#)
3. [B.6 Multiply three or more numbers](#)

### Division

1. [C.1 Divisibility rules](#)
2. [C.2 Division patterns with zeroes](#)
3. [C.5 Divide whole numbers - 2-digit divisors](#)

### Number theory

1. [E.3 Prime or composite](#)
2. [E.4 Identify factors](#)
3. [E.5 Prime factorization](#)
4. [E.6 Prime factorization with exponents](#)
5. [E.7 Greatest common factor](#)
6. [E.9 Least common multiple](#)

### Add and subtract decimals

1. [G.1 Add and subtract decimal numbers](#)

### Multiply and divide decimals

1. [H.2 Multiply decimals](#)
2. [H.4 Divide decimals by whole numbers](#)
3. [H.6 Multiply and divide decimals by powers of ten](#)
4. [H.7 Division with decimal quotients](#)

### Add and subtract fractions

1. [J.1 Add and subtract fractions with like denominators](#)
2. [J.3 Add and subtract fractions with unlike denominators](#)
3. [J.6 Add and subtract mixed numbers](#)

### Multiply fractions

1. [K.1 Fractions of whole numbers I](#)
2. [K.2 Fractions of whole numbers II](#)
3. [K.5 Multiply two fractions using models](#)
4. [K.6 Multiply two fractions](#)

### Integers

1. [M.1 Understanding integers](#)
2. [M.2 Integers on number lines](#)
3. [M.3 Graph integers on horizontal and vertical number lines](#)
4. [M.4 Understanding absolute value](#)
5. [M.5 Absolute value and opposite integers](#)
6. [M.6 Compare integers](#)
7. [M.7 Put integers in order](#)
8. [M.8 Integer inequalities with absolute values](#)

## Coordinate plane

1. **X.1** Objects on a coordinate plane
2. **X.2** Graph points on a coordinate plane
3. **X.3** Quadrants

## Geometric measurement

1. **FF.1** Perimeter
2. **FF.2** Area of rectangles and squares
3. **FF.3** Area of triangles
4. **FF.4** Area of parallelograms and trapezoids