Here are the IXL skills for Incoming 6th Graders to work on during the summer between June 1 and August 12. A minimum of 5 hours is required. All skills listed are on the **6th grade level of IXL**.

Decimals

1. F.1:What decimal number is illustrated
2. F.2:Decimal place values
3. F.3:Word names for decimal numbers
4. F.4:Convert decimals to mixed numbers
5. F.5:Put decimal numbers in order
6. F.6:Inequalities with decimals
7. F.7:Round decimals
8. F.8:Round whole numbers and decimals: find the missing digit
9. F.9: Decimal number lines

Add and subtract decimals
1. G.1: Add and subtract decimal numbers
2. G.2: Add and subtract decimals: word problems
3. G.3: Estimate sums and differences of decimals
4. G.4: Maps with decimal distances

Multiply and divide decimals

1. H.1: Estimate products of decimal numbers
2. H.2: Multiply decimals
3. H.3: Inequalities with decimal multiplication
4. H.4: Divide decimals by whole numbers
5. H.5: Divide decimals by whole numbers: word problems
6. H.6: Multiply and divide decimals by powers of ten
7. H.7: Division with decimal quotients
8. H.8: Inequalities with decimal division

Fractions and mixed numbers

1. I.1: Fractions and mixed numbers review
2. I.2: Understanding fractions: word problems
3. I.3: Equivalent fractions review
4. I.4: Write fractions in lowest terms
5. I.5: Fractions: word problems

6. I.6: Least common denominator
7. I.7: Compare fractions with like and unlike denominators
8. I.8: Compare fractions: word problems
9. I.9: Convert between improper fractions and mixed numbers
10. I.10: Convert between decimals and fractions or mixed numbers
11. I.11: Put a mix of decimals, fractions, and mixed numbers in order

Add and subtract fractions

1. J.1: Add and subtract fractions with like denominators
2. J.2: Add and subtract fractions with like denominators: word problems
3. J.3: Add and subtract fractions with unlike denominators
4. J.4: Add and subtract fractions with unlike denominators: word problems
5. J.5: Inequalities with addition and subtraction of like and unlike fractions
6. J.6: Add and subtract mixed numbers problems
8. J.8: Estimate sums and differences of mixed numbers
9. J.9: Maps with fractional distances

Multiply fractions

1. K.1: Fractions of whole numbers I
2. K.2: Fractions of whole numbers II
3. K.3: Fractions of a number: word problems
4. K.4: Estimate products of fractions and whole numbers
5. K.5: Multiply two fractions using models
6. K.6: Multiply two fractions
7. K.7: Multiply fractions: word problems
8. K.8: Multiply three or more fractions and whole numbers
9. K.9: Estimate products of fractions, whole numbers, and mixed numbers
10. K.10: Multiply mixed numbers and whole numbers
11. K.11: Multiply mixed numbers
12. K.12: Multiply mixed numbers: word problems
13. K.13: Multiply three or more mixed numbers, fractions, and/or whole numbers

Divide fractions

1. L.1: Divide whole numbers by unit fractions using models
2. L.2: Reciprocals
3. L.3: Divide whole numbers and unit fractions
4. L.4: Divide fractions by whole numbers in recipes
5. L.5: Divide fractions
6. L.6: Estimate quotients when dividing mixed numbers
7. L.7: Divide fractions and mixed numbers
8. L.8: Divide fractions and mixed numbers: word problems