

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.

Decimals

1. F.1 What decimal number is illustrated? <<https://www.ixl.com/math/grade-6/what-decimal-number-is-illustrated>>
2. F.2 Decimal place values <<https://www.ixl.com/math/grade-6/decimal-place-values>>
3. F.3 Word names for decimal numbers <<https://www.ixl.com/math/grade-6/word-names-for-decimal-numbers>>
4. F.4 Convert decimals to mixed numbers <<https://www.ixl.com/math/grade-6/convert-decimals-to-mixed-numbers>>
5. F.5 Put decimal numbers in order <<https://www.ixl.com/math/grade-6/put-decimal-numbers-in-order>>
6. F.6 Inequalities with decimals <<https://www.ixl.com/math/grade-6/inequalities-with-decimals>>
7. F.7 Round decimals <<https://www.ixl.com/math/grade-6/round-decimals>>
8. F.8 Round whole numbers and decimals: find the missing digit <<https://www.ixl.com/math/grade-6/round-whole-numbers-and-decimals-find-the-missing-digit>>
9. F.9 Decimal number lines <<https://www.ixl.com/math/grade-6/decimal-number-lines>>

Add and subtract decimals

1. G.1 Add and subtract decimal numbers <<https://www.ixl.com/math/grade-6/add-and-subtract-decimal-numbers>>
2. G.2 Add and subtract decimals: word problems <<https://www.ixl.com/math/grade-6/add-and-subtract-decimals-word-problems>>
3. G.3 Estimate sums and differences of decimals <<https://www.ixl.com/math/grade-6/estimate-sums-and-differences-of-decimals>>

[differences-of-decimals>](#)

4. G.4 Maps with decimal distances <<https://www.ixl.com/math/grade-6/maps-with-decimal-distances>>

Multiply and divide decimals

1. H.1 Estimate products of decimal numbers <<https://www.ixl.com/math/grade-6/estimate-products-of-decimal-numbers>>

2. H.2 Multiply decimals <<https://www.ixl.com/math/grade-6/multiply-decimals>>

3. H.3 Inequalities with decimal multiplication <<https://www.ixl.com/math/grade-6/inequalities-with-decimal-multiplication>>

4. H.4 Divide decimals by whole numbers <<https://www.ixl.com/math/grade-6/divide-decimals-by-whole-numbers>>

5. H.5 Divide decimals by whole numbers: word problems <<https://www.ixl.com/math/grade-6/divide-decimals-by-whole-numbers-word-problems>>

6. H.6 Multiply and divide decimals by powers of ten <<https://www.ixl.com/math/grade-6/multiply-and-divide-decimals-by-powers-of-ten>>

7. H.7 Division with decimal quotients <<https://www.ixl.com/math/grade-6/division-with-decimal-quotients>>

8. H.8 Inequalities with decimal division <<https://www.ixl.com/math/grade-6/inequalities-with-decimal-division>>

Fractions and mixed numbers

1. I.1 Fractions and mixed numbers review <<https://www.ixl.com/math/grade-6/fractions-and-mixed-numbers-review>>

2. I.2 Understanding fractions: word problems <<https://www.ixl.com/math/grade-6/understanding-fractions-word-problems>>

3. I.3 Equivalent fractions review <<https://www.ixl.com/math/grade-6/equivalent-fractions-review>>

4. I.4 Write fractions in lowest terms <<https://www.ixl.com/math/grade-6/write-fractions-in-lowest-terms>>

5. I.5 Fractions: word problems <<https://www.ixl.com/math/grade-6/fractions-word-problems>>
6. I.6 Least common denominator <<https://www.ixl.com/math/grade-6/least-common-denominator>>
7. I.7 Compare fractions with like and unlike denominators <<https://www.ixl.com/math/grade-6/compare-fractions-with-like-and-unlike-denominators>>
8. I.8 Compare fractions: word problems <<https://www.ixl.com/math/grade-6/compare-fractions-word-problems>>
9. I.9 Convert between improper fractions and mixed numbers <<https://www.ixl.com/math/grade-6/convert-between-improper-fractions-and-mixed-numbers>>
10. I.10 Convert between decimals and fractions or mixed numbers <<https://www.ixl.com/math/grade-6/convert-between-decimals-and-fractions-or-mixed-numbers>>
11. I.11 Put a mix of decimals, fractions, and mixed numbers in order <<https://www.ixl.com/math/grade-6/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 <<https://www.ixl.com/math/grade-6/add-and-subtract-fractions-with-like-denominators>>
2. J.2 Add and subtract fractions with like denominators: word problems <<https://www.ixl.com/math/grade-6/add-and-subtract-fractions-with-like-denominators-word-problems>>
3. J.3 Add and subtract fractions with unlike denominators <<https://www.ixl.com/math/grade-6/add-and-subtract-fractions-with-unlike-denominators>>
4. J.4 Add and subtract fractions with unlike denominators: word problems <<https://www.ixl.com/math/grade-6/add-and-subtract-fractions-with-unlike-denominators-word-problems>>
5. J.5 Inequalities with addition and subtraction of like and unlike fractions <<https://www.ixl.com/math/grade-6/inequalities-with-addition-and-subtraction-of-like-and-unlike-fractions>>
6. J.6 Add and subtract mixed numbers <<https://www.ixl.com/math/grade-6/add-and-subtract-mixed-numbers>>
7. J.7 Add and subtract mixed numbers: word

problems <<https://www.ixl.com/math/grade-6/add-and-subtract-mixed-numbers-word-problems>>

8. J.8 Estimate sums and differences of mixed

numbers <<https://www.ixl.com/math/grade-6/estimate-sums-and-differences-of-mixed-numbers>>

9. J.9 Maps with fractional distances <<https://www.ixl.com/math/grade-6/maps-with-fractional-distances>>

Multiply fractions

1. K.1 Fractions of whole numbers I <<https://www.ixl.com/math/grade-6/fractions-of-whole-numbers>>

2. K.2 Fractions of whole numbers II <<https://www.ixl.com/math/grade-6/fractions-of-whole-numbers-ii>>

3. K.3 Fractions of a number: word

problems <<https://www.ixl.com/math/grade-6/fractions-of-a-number-word-problems>>

4. K.4 Estimate products of fractions and whole

numbers <<https://www.ixl.com/math/grade-6/estimate-products-of-fractions-and-whole-numbers>>

5. K.5 Multiply two fractions using

models <<https://www.ixl.com/math/grade-6/multiply-two-fractions-using-models>>

6. K.6 Multiply two fractions <<https://www.ixl.com/math/grade-6/multiply-two-fractions>>

7. K.7 Multiply fractions: word

problems <<https://www.ixl.com/math/grade-6/multiply-fractions-word-problems>>

8. K.8 Multiply three or more fractions and whole

numbers <<https://www.ixl.com/math/grade-6/multiply-three-or-more-fractions-and-whole-numbers>>

9. K.9 Estimate products of fractions, whole numbers, and mixed

numbers <<https://www.ixl.com/math/grade-6/estimate-products-of-fractions-whole-numbers-and-mixed-numbers>>

10. K.10 Multiply mixed numbers and whole

numbers <<https://www.ixl.com/math/grade-6/multiply-mixed-numbers-and-whole-numbers>>

11. K.11 Multiply mixed numbers <<https://www.ixl.com/math/grade-6/multiply-mixed-numbers>>

12. K.12 Multiply mixed numbers: word

problems <<https://www.ixl.com/math/grade-6/multiply-mixed-numbers-word-problems>>

13. K.13 Multiply three or more mixed numbers, fractions, and/or whole numbers <<https://www.ixl.com/math/grade-6/multiply-three-or-more-mixed-numbers-fractions-and-or-whole-numbers>>

Divide fractions

1. L.1 Divide whole numbers by unit fractions using models <<https://www.ixl.com/math/grade-6/divide-whole-numbers-by-unit-fractions-using-models>>

2. L.2 Reciprocals <<https://www.ixl.com/math/grade-6/reciprocals>>

3. L.3 Divide whole numbers and unit fractions <<https://www.ixl.com/math/grade-6/divide-whole-numbers-and-unit-fractions>>

4. L.4 Divide fractions by whole numbers in recipes <<https://www.ixl.com/math/grade-6/divide-fractions-by-whole-numbers-in-recipes>>

5. L.5 Divide fractions <<https://www.ixl.com/math/grade-6/divide-fractions>>

6. L.6 Estimate quotients when dividing mixed numbers <<https://www.ixl.com/math/grade-6/estimate-quotients-when-dividing-mixed-numbers>>

7. L.7 Divide fractions and mixed numbers <<https://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers>>

8. L.8 Divide fractions and mixed numbers: word problems <<https://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers-word-problems>>