

2023 Summer Math IXL
7th Grade skills for students going into 8th Grade

Please complete these skills; they are *Grade 7 Skills*. You need to complete the skill until you get a score of 70% or higher. If you had worked on these skills earlier in the year, you still need to complete them during the summer so it shows as a completed summer skill.

These skills must be completed by the first day of school. I will check in IXL to see the dates when you have completed the work and give you a grade.

Try to work on one or two skills each day - DO NOT leave the work until the end of the summer! Do not begin doing these skills until Thursday, June 22, 2023.

Sometimes the IXL skill numbers change over the summer - please check the skill name before you complete your work.

A. Number theory

1. Prime or composite
4. Divisibility rules
5. Greatest common factor
6. Least common multiple

B. Integers

1. Understanding integers
4. Understanding absolute value
5. Absolute value and opposite integers
7. Compare and order integers

C. Operations with integers

3. Integer addition rules
4. Add integers
5. Add three or more integers
8. Integer subtraction rules
9. Subtract integers
16. Integer multiplication rules
17. Multiply integers
18. Integer division rules
20. Divide integers

D. Decimals

1. Decimal numbers review

E. Operations with decimals

1. Add and subtract decimals
3. Multiply decimals
5. Divide decimals
8. Add, subtract, multiply, or divide two decimals

F. Fractions and mixed numbers

3. Write fractions in lowest terms
5. Least common denominator
6. Compare and order fractions
8. Convert between mixed numbers and improper fractions

G. Operations with fractions

1. Add and subtract fractions
3. Add and subtract mixed numbers
7. Multiply fractions and whole numbers
9. Multiply fractions
10. Multiply mixed numbers
12. Divide fractions
13. Divide mixed numbers

H. Rational numbers

14. Apply addition and subtraction rules
18. Multiply and divide rational numbers

S. One-variable equations

6. Solve one-step equations
9. Solve two-step equations