



# Summer Math

Dear incoming 7th Graders:

Attached you will find your list of skills to practice this summer. **Please complete all skills listed on the attached sheet.**

**Please note - IXL cannot be started until after July 6. All accounts will be rolled over and previous work will be deleted.**

Please follow these directions:

- Log in to IXL using your username and password. Remember you must log in from the [Cliffsidepark.edu](http://Cliffsidepark.edu) website. Do not Google IXL and attempt to log in. It may not work. If you do not have your username and password, or have any questions, please contact [mclarke@cliffsidepark.edu](mailto:mclarke@cliffsidepark.edu).
- Go to the 7th grade skills tab and complete the skills as indicated on the attached sheet.
- In order to achieve mastery, you must obtain a score of 80 or better. You may do as many problems as necessary - no limits!
- Skills must be completed before the first full day of school.
- You will be tested on these skills in the first full week of September.

Good luck and see you in September!

Middle School Math Department

## IXL topics for students entering 7th grade

Go to the 7th grade tab and complete the following topics.

### Number theory

1. **A.1** Prime or composite
2. **A.2** Prime factorization
3. **A.3** Multiplicative inverses
4. **A.4** Divisibility rules
5. **A.5** Greatest common factor
6. **A.6** Least common multiple
7. **A.7** GCF and LCM: word problems
8. **A.8** Sort factors of numerical expressions
9. **A.9** Scientific notation
10. **A.10** Compare numbers written in scientific notation
11. **A.11** Classify numbers

### Integers

1. **B.1** Understanding integers
2. **B.2** Integers on number lines
3. **B.3** Graph integers on horizontal and vertical number lines
4. **B.4** Absolute value and opposite integers
5. **B.5** Compare and order integers
6. **B.6** Integer inequalities with absolute values

### Decimals

1. **D.1** Decimal numbers review
2. **D.2** Compare and order decimals
3. **D.3** Decimal number lines
4. **D.4** Round decimals

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## Fractions and mixed numbers

1. **F.1** Understanding fractions: word problems
2. **F.2** Equivalent fractions
3. **F.3** Write fractions in lowest terms
4. **F.4** Fractions: word problems with graphs and tables
5. **F.5** Least common denominator
6. **F.6** Compare and order fractions
7. **F.7** Compare fractions: word problems
8. **F.8** Convert between mixed numbers and improper fractions
9. **F.9** Compare mixed numbers and improper fractions
10. **F.10** Round mixed numbers