

6th Grade Math Optional Summer Assignment

For the summer assignment for incoming 6th graders, the current 6th grade math teachers came up with a list of priority skills students can review to best prepare themselves for 6th grade math. The list of the different skills corresponds to lesson topics found in the “Preparing for 6th Grade” course on Khanacademy.org. Creating an account is completely optional. Please see the additional handout with directions on where to find the “Preparing for 6th Grade Math” Course on Khan Academy.

To begin your summer work choose a priority skill from the list below that you would like to practice and complete the problems found in that lesson in the course on Khan Academy. You will move through the program at your own pace. As you practice the skills, Khan Academy will determine mastery of each skill. The more questions you get right on a skill, the faster you master it and move on to the next skills. If you need more practice on a skill, Khan Academy will provide more practice for you so you can master it. There are also corresponding videos and mini lessons that you can watch to help you with any of the skills you are working on.

There are a lot of topics found in the “Preparing for 6th Grade” Course, besides the suggested topics of focus listed below. The more you practice, the better prepared you will be for 6th grade math next year! Practice as much as you can so that you are confident with your skills when you start school next year!

List of 6th Grade Priority Skills to Review via Khan Academy

Multi- Digit Multiplication
Multi- Digit Division
Factors and Multiples
Multiply Fractions and Mixed Numbers
Adding/Subtracting Decimals

Adding and Subtracting Fractions (on Khan Academy): <https://tinyurl.com/j3749ead>

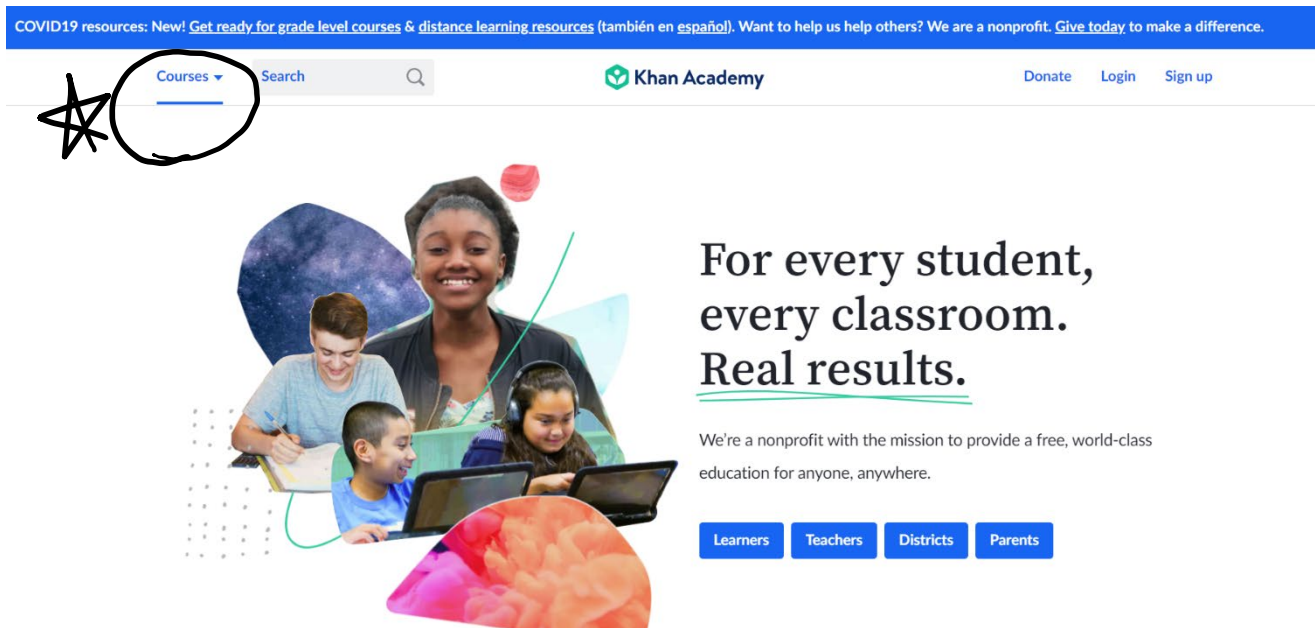
Math Fact Practice: <https://www.multiplication.com/> or <https://www.factmonster.com/math/flashcards>

Additional Online Math Resources:

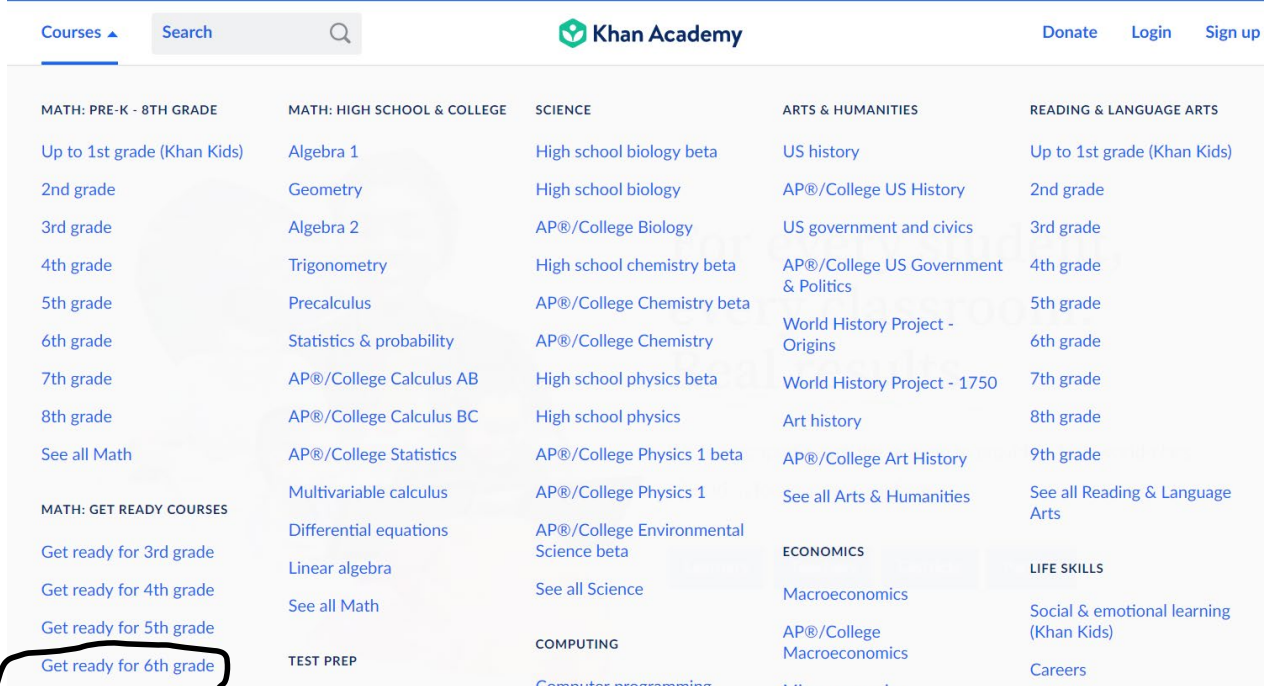
1. **Kuta Software:** <http://kutasoftware.com/>: Software for math teachers that creates exactly the worksheets you need in a matter of minutes. Try for free. Available for Pre-Algebra, Algebra 1, Geometry, and Algebra 2.
2. **AAA Math:** <http://www.aaamath.com/>: This site features comprehensive sets of interactive mathematics lessons. Practice is available on most topics, which allows for thorough mastery of the concepts.
3. **Cool Math 4 Kids:** <https://www.coolmath.com/>: This fully interactive site and allows the user to sharpen basic math skills, play games and explore new math concepts. And it's not just fun and games! There are lessons, printable materials, and a math dictionary that extend into high school material.
4. **Math is Fun:** <https://www.mathsisfun.com/>: Lessons, animations and explanations on just about any middle school and high school math topic you could need!
5. **Math Playground** <https://www.mathplayground.com/>: Online Math Games that Give your Brain a Workout

Directions to access Summer Resources for Incoming 6th Grade students

1. Go to www.khanacademy.org
2. Click the “Courses” drop down menu



3. Click “Get Ready for 6th Grade” option



4. Click on any of the Section Titles to go through the entire section, OR select any of the individual lessons to practice.

Math

Get ready for 6th grade

5,900

Mastery points available in course

Course summary

Get ready for ratios, rates, and percentages

Get ready for arithmetic operations

Get ready for negative numbers

Get ready for equations, expressions, and inequalities

Course challenge

Test your knowledge of the skills in this course.

Get ready for ratios, rates, and percentages

0/1200 Mastery points

Multiplication and division word problems

Convert units of measure

Coordinate plane

Number patterns

Multiplication as scaling

Fractions as division

Get ready for arithmetic operations

0/1600 Mastery points

Divide whole numbers by unit fractions

Divide unit fractions by whole numbers

Multi-digit multiplication

Multi-digit division

Adding decimals

Subtracting decimals

Multiplying decimals

Dividing decimals

Get ready for negative numbers

0/900 Mastery points

section Title

individual lesson.