# Games and activities for students

*Interactive websites that provide students with instruction and independent practice.*

 [Arithmetic Four](http://www.shodor.org/interactivate/activities/ArithmeticFour/) Two users play a game in which each player tries to connect four game pieces in a row (like game Connect Four). The players answer math questions to connect the pieces. Teacher chooses how much time each player has to answer, the level of difficulty, and the type of math problem.

Grades: 2–8 Cost: Free

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[Coolmath Games](http://www.coolmath-games.com/) Yes, math games can be cool! Check out the hundreds of games on this site and on Coolmath4kids.

Grades K–12 Cost: Free; $ ad-free version

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[Figure This!](http://figurethis.nctm.org/) Figure This! is a site designed to encourage families to practice math together. It includes fun and engaging math games and high- quality challenges. It even offers challenges in Spanish.

Grades 6–8 Cost: Free

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[Free Rice](http://freerice.com/category) This math game serves a dual purpose. Students practice multiplication and pre-algebra math. For each answer they get right, the World Food Programme donates 10 grains of rice to help end hunger.

Grades 3–7 Cost: Free

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[Hotmath](https://www.hotmath.org/) Hotmath provides homework assistance for high school and college students, using “worked out” examples of math problems.

Grades 9–college Cost: Free

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[Jefferson Lab](https://education.jlab.org/indexpages/elementgames.html) Your students will love fun math games like Speed Math Deluxe, Mystery Math, Place Value Game, and more.

Grades 3–11 Cost: Free



Grades: 5–12 Cost: Free

[MATHHelp.com](http://mathhelp.com/) In-depth lessons with videos, guided practice, interactive self-tests, and more.

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[Math Playground](http://www.mathplayground.com/) More than 425 math games, logic puzzles, and brain workouts for students to practice their

math skills.

Grades: 1–6 Cost: Free

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[MrNussbaumMath](http://mrnussbaum.com/math-for-kids/) Nearly 100 original math games, workshops, and practice modules, as well as math printables!

Grades 1–6 Cost: Free

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[Ninja Maths](http://www.ninjamaths.com.au/) This interactive, online tool helps students master basic facts. Set up as a whole-class or small-group competition, students earn ninja cards and track results on a ninja scoring poster.

Two board games that teach operations are also available for purchase.

Grades 2–8 Cost: Free

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[Numeracy Ninjas](http://www.numeracyninjas.org/) This is a free intervention tool designed to fill gaps in students’ mental calculation skills and empower them with number fluency. Students can earn ninja belts of different colors for their skill level.

Grades 2–8 Cost: Free

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[PBS Math Club](https://www.pbslearningmedia.org/collection/pbs-math-club/#.WmY9epM-fJM) From PBS Learning Media, middle schoolers will love this entertaining video blog. Not only does each episode cover Common Core

Standards, it makes math learning culturally relevant with pop-culture references. Grades: 6–9 Cost: Free

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[Quizlet](https://quizlet.com/) Students can create study flashcards, play learning games, practice skills, collaborate with other students, and more.

Grades: 5–12 Cost: Free

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[Reflex](https://www.reflexmath.com/) Another resource to help students build fact fluency. Each game is tailored to students’ ability levels.

Grades: 2–6 Cost: Free trial; $ monthly subscription

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[Sheppard Software](http://www.sheppardsoftware.com/math.htm) Tons of fun and educational online math games, from basic operations to algebra and geometry.

Grades: K–6 Cost: Free

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 [That Quiz](https://www.thatquiz.org/) Simple math test activities for teachers and students, from beginning math operations to calculus. You set the skill level, how many problems, and time limit. A report, which tallies right and wrong answers, is provided after each quiz.

Grades 3–12 Cost: Free

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[Xtramath](https://xtramath.org/%23/home/index) Xtramath is like a daily math vitamin. An interactive online tool that helps students practice and master basic arithmetic facts, it’s quick and

easy to use. Weekly emails provide progress reports for teachers and parents. Grades: K–8 Cost: Free

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