

NEU Math Night

April 13th, 2023

Using manipulatives, games, and apps at home for math enrichment

Math in the Kitchen:

- Measuring cups and spoons
 - Equivalent Fractions
 - Volume
 - Capacity
- Baking Dishes/Bowls
 - Circumference
 - Area/Perimeter
 - Measurement Tools
(rulers, tape measures)
- Utensils
 - Sorting
 - Addition/Subtraction
 - Multiplication/Division
 - Measurement
- Food Items/Snacks
 - Sorting
 - Addition/Subtraction
 - Multiplication/Division
 - Measurement
 - Volume
 - Weight
 - Area/Perimeter
 - Fractions
 - Ratios
 - Shapes
 - Telling Time

Math in the Garage:

- Tools and Machinery
 - Sorting
 - Addition/
Subtraction
 - Multiplication/
Division
 - Measurement
 - Volume
 - Weight
 - Area/Perimeter
 - Fractions
 - Ratios
 - Shapes
 - Spatial Awareness

Game Night

Yahtzee

- o Counting
- o Multiplication
- o Repeated Addition
- o Geometry
- o Sorting
- o Addition

Deck of Card

- o Memory
- o War (comparing numbers)
- o Sorting
- o Least to Greatest
- o Addition/Subtraction

Game Night (cont.)

- Monopoly/Life
 - Money Management
 - Life Skills
 - (exposure to language and situations)
- Perfection
 - Shapes
 - Sorting
 - Timed Challenges
- Chess/Checkers
 - Problem Solving
 - Strategy Building
- Dominoes
 - Counting
 - Matching
 - Multiplication
 - Addition/Subtraction
- Uno/Phase Ten
 - Counting
 - Sorting
 - Colors
 - Comparing Numbers

Mathigon.org

- Interactive Manipulatives
- Ten-Frames
- Abacus
- Number Lines
- Fraction Strips
- Fractals
- Polygons
- Rulers and Scales
- Dice
- Digital Playing Cards
- Flash Cards
- Hundreds of Other Games and Tools
- GREAT for exploring different math Concepts
- Visual-Based

The Mathematical Playground

Free tools, courses and manipulatives to make online learning more interactive and engaging than ever before.

Polypad

Unleash your creativity with the world's best manipulatives! Engage in problem-solving, explore patterns and collaborate with others.

[Launch Polypad →](#)

[Lesson Plans →](#)

[Tutorials →](#)

Fractals

Flash Cards

Timeline

Sequences

Graph Theory

Factris

Origami

Symmetry

KhanAcademy.org

The screenshot displays the Khan Academy interface for a 3rd-grade lesson on fractions. The top navigation bar includes 'Courses', 'Search', the Khan Academy logo, and links for 'Get AI Guide', 'Donate', 'Login', and 'Sign up'. The left sidebar shows the course structure: '3rd grade' > 'COURSE: 3RD GRADE > UNIT 5' > 'Lesson 1: Fractions intro' > 'Intro to fractions'. The main content area is titled 'Intro to fractions' with standards 'CCSS.Math: 3.G.A.2, 3.NF.A.1' and a 'Google Classroom' link. A video player shows a hand-drawn diagram of a square divided into four equal parts, with one part shaded red and labeled $\frac{1}{4}$, and a rectangular bar divided into eight equal parts, with one part shaded purple and labeled $\frac{1}{8}$. The video includes the text 'That looks pretty good.' Below the video are tabs for 'About' and 'Transcript', and a description: 'Sal divides wholes into equal-sized pieces to create unit fractions. Created by Sal Khan.' At the bottom right, there is a 'Sort by: Top Voted' dropdown menu.

- Comprehensive Lessons for ALL Grades
- Videos
- Digital Worksheets
- Quizzes
- Tracks Progress
- Highly Rated

Coolmath.com

Coolmath.com Calculators Pre-Algebra Algebra Pre-Calculus Practice Tools & Reference ▾

2048

Add like numbers to win this one. Can you get to 2048?

Play Now



Lemonade Stand

Run a lemonade stand and make lots of money!

Play Now



Building Rush

Run a construction company with a fleet of trucks!

Play Now



Kakuro

Fill in numbers correctly. Don't make a mistake!

Play Now



Crazy Taxi M-12

You need to know your times tables FAST for this game.

Play Now



Fraction Splat

Click on the right kind of fraction to make it go SPLAT!

Play Now



Coffee Shop

Run your own coffee shop in this business game.

Play Now



Subtraction Blast

Great arithmetic practice while you get to shoot stuff.

Play Now



Math Lines: Xfactor

Aim and shoot to clear the numbers!

Play Now



Sudoku

Fill in the spaces with the right numbers.

Play Now



Make 15

Try to make 15 without letting the computer do it!

Play Now



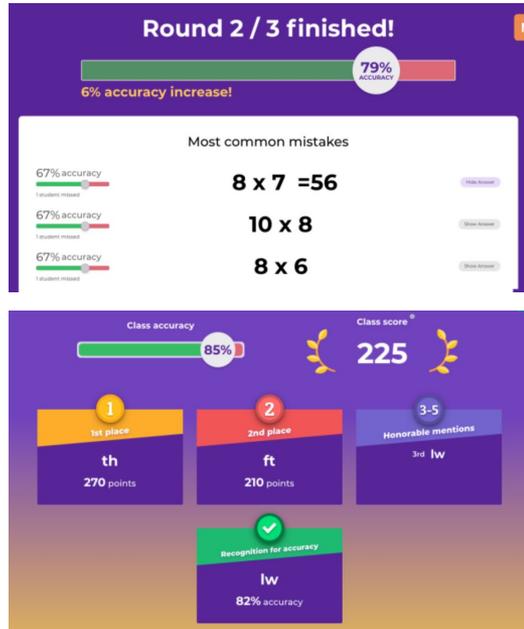
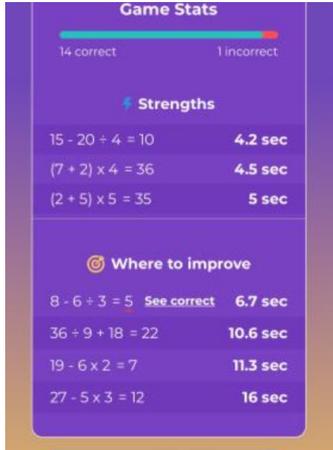
Color 21

How long can you last? Practice your addition!

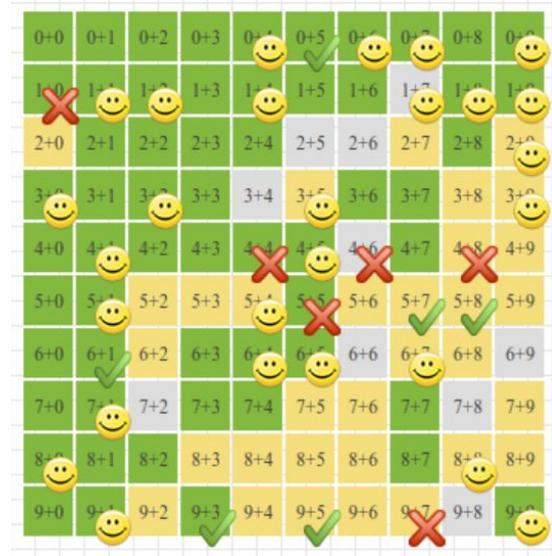
Play Now

- Fun math games for kids to play from their web browser
- Other tools, calculators, and resources

99math.com



Xtramath.org



$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$$

7	8	9
4	5	6
1	2	3
0		



These websites are great for practicing and memorizing basic operation facts!