

# Parent's Corner

## Elementary Grades Resources

Grade Level	Resource Title	Description	Link
1	Building Conceptual Understanding and Fluency Through Games	A set of games/activities that help children develop fact fluency. We know that children need to practice using numbers - breaking them apart and putting them together - to develop fluency. There are more ways for students to learn addition/subtraction facts than using flash cards. This resource does that.	<a href="https://tools4ncteachers.com/resources/district-leaders/documents/1stgrade-GAMES.pdf">https://tools4ncteachers.com/resources/district-leaders/documents/1stgrade-GAMES.pdf</a>
2	Building Conceptual Understanding and Fluency Through Games	A set of games/activities that help children develop fact fluency. We know that children need to practice using numbers - breaking them apart and putting them together - to develop fluency. There are more was for students to learn addition/subtraction facts than using flash cards. This resource does that.	<a href="https://tools4ncteachers.com/resources/district-leaders/documents/2ndgrade-GAMES.pdf">https://tools4ncteachers.com/resources/district-leaders/documents/2ndgrade-GAMES.pdf</a>
3	Building Conceptual Understanding and Fluency Through Games	A set of games/activities that help children develop fact fluency. We know that children need to practice using numbers - breaking them apart and putting them together - to develop fluency. There are more ways for students to learn addition/subtraction and multiplication/division facts than using flash cards. This resource does that.	<a href="https://tools4ncteachers.com/resources/district-leaders/documents/3rdgrade-GAMES.pdf">https://tools4ncteachers.com/resources/district-leaders/documents/3rdgrade-GAMES.pdf</a>
4	Building Conceptual Understanding and Fluency Through Games	A set of games/activities that help children develop fact fluency. We know that children need to practice using numbers - breaking them apart and putting them together - to develop	<a href="https://tools4ncteachers.com/resources/district-leaders/documents/4thgrade-GAMES.pdf">https://tools4ncteachers.com/resources/district-leaders/documents/4thgrade-GAMES.pdf</a>

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		fluency. There are more ways for students to learn addition/subtraction and multiplication/division facts than using flash cards. This resource does that.	
5	Building Conceptual Understanding and Fluency Through Games	A set of games/activities that help children develop fact fluency. We know that children need to practice using numbers - breaking them apart and putting them together - to develop fluency. There are more ways for students to learn addition/subtraction and multiplication/division facts than using flash cards. This resource does that.	<a href="https://tools4ncteachers.com/resources/district-leaders/documents/5thgrade-GAMES.pdf">https://tools4ncteachers.com/resources/district-leaders/documents/5thgrade-GAMES.pdf</a>
K	Building Conceptual Understanding and Fluency Through Games	Kindergarten builds the understanding for future maths. Students need practice counting, learning the idea of more/less, and early understanding of addition. This set of games/activities will help with that.	<a href="https://tools4ncteachers.com/resources/district-leaders/documents/1stgrade-GAMES.pdf">https://tools4ncteachers.com/resources/district-leaders/documents/1stgrade-GAMES.pdf</a>
K-12	Dr. Jo Boaler's youcubed site	Compilation of articles that explain the shift in mathematical teaching	<a href="https://www.youcubed.org/resource/parent-resources/">https://www.youcubed.org/resource/parent-resources/</a>
K-12	Annie Fetter I notice/I wonder	Annie Fetter talking about the power of asking children to Notice and Wonder. It can change how your children think and approach mathematics.	<a href="https://www.youtube.com/watch?v=8BEzDHJ7ocQ">https://www.youtube.com/watch?v=8BEzDHJ7ocQ</a>
K-12	Parent Roadmap to Standards	Explanations of the common core standards for each grade level	<a href="https://www.cgcs.org/Page/244">https://www.cgcs.org/Page/244</a>
K-2	Bedtime Math	Videos, useful photos for math thinking, etc.	<a href="http://bedtimemath.org/">http://bedtimemath.org/</a>
K-2	PBS Kids	Videos and activities that require mathematical thinking	<a href="https://pbskids.org/">https://pbskids.org/</a>

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K-5	Toy Theater	Site has activities, puzzles, and virtual manipulatives to help students explore and understand math concepts.	<a href="https://toytheater.com/">https://toytheater.com/</a>
K-5	Nrich Maths	Best sections on this site are the activities and games and thinking mathematically. Activities and games provide math practice. The activities and games include "getting started" help and solutions. The Thinking Mathematically section has activities that help students develop strong thinking to support mathematics.	<a href="https://nrich.maths.org/primary">https://nrich.maths.org/primary</a>
K-5	LearnZillion	"Collection of videos organized by topic: whole numbers, operations with whole numbers, measurement, and fractions and decimals"	<a href="https://learnzillion.com/wikis/99913-math-instructional-videos/">https://learnzillion.com/wikis/99913-math-instructional-videos/</a>
K-5	GPB in conjunction with GADOE	Look at: Digital Backpack, Let's Learn, Getting Ready for K-3 guides, and Daily Activity Calendar	<a href="https://www.gpb.org/education/learn">https://www.gpb.org/education/learn</a>
K-5	Gfletchy	Short videos that explain the understanding that develops from K - 5th grade for mathematical concepts: early number & counting, addition & subtraction, progression of multiplication, progression of division, and fractions: the meaning , equivalence, and comparison.	<a href="https://gfletchy.com/progression-videos/">https://gfletchy.com/progression-videos/</a>
K-8	NCTM Parent Resources	NCTM (National Council of Teachers of Mathematics) site that includes a family corner which may answer parents questions about how math is taught now and how they can help.	<a href="https://figurethis.nctm.org/fc/family_corner.htm">https://figurethis.nctm.org/fc/family_corner.htm</a>

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K-8	NCTM Figure This explanation and Resources	NCTM (National Council of Teachers of Mathematics) site that includes explanations of the math and thinking problems to ask your child, "Figure this . . . "	<a href="https://figurethis.nctm.org/about_ft.htm">https://figurethis.nctm.org/about_ft.htm</a>
K-8	NCTM Figure This	List of challenges for "Figure This"	<a href="https://figurethis.nctm.org/challenges/challenge_index.htm">https://figurethis.nctm.org/challenges/challenge_index.htm</a>
K-8	Math Solutions At Home Learning	Ideas for teachers and parents. Grade-level specific critical thinking problems and videos that explain concepts. Example: "In my pocket, I have \$36. What bills might I have?" Check back often - new resources are added daily.	<a href="https://mathsolutions.com/at-home-learning/">https://mathsolutions.com/at-home-learning/</a>
Birth - 3rd grade	Learning and Teaching with Learning Trajectories	Ideas and resources for parents and teachers. Good places to start are both the "explore games" tab and the resources tab. Sign-up is free.	<a href="https://learningtrajectories.org/">https://learningtrajectories.org/</a>
K-5	Math At Home from The Math Learning Center	Number sense building activities such as notice/wonder, same/different, and would you rather are presented in a number of different contexts.	<a href="https://mathathome.mathlearningcenter.org/">https://mathathome.mathlearningcenter.org/</a>
K-5	Talking Math With Kids	Scroll down to blog section. Gives suggestions for talking to your children and encouraging their thinking about numbers	<a href="https://talkingmathwithkids.com/">https://talkingmathwithkids.com/</a>

## Middle Grades Resources

Grade Level	Resource Title	Description	Link
6-8	Math Shorts	Creative videos made for students to learn a variety of math topics; subscribe to the channel	<a href="https://www.youtube.com/playlist?list=PL4twzw4BAfFH4cePkuHr2T4ayt">https://www.youtube.com/playlist?list=PL4twzw4BAfFH4cePkuHr2T4ayt</a>

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6-8	Mash-Up Math	Large collection of videos explaining math concepts to students in creative and fun ways. Subscribe to the channel.	<a href="https://www.youtube.com/c/MashUpMath/videos">https://www.youtube.com/c/MashUpMath/videos</a>
6-8	Math at the Core	Choose your math topic and find a variety of resources to support it: videos, "think" problems, and real-world connections	<a href="https://gpb.pbslearningmedia.org/collection/mathcore/">https://gpb.pbslearningmedia.org/collection/mathcore/</a>
6-8	The GET it guide	Choose your math topic and find a video, slide presentation, and worksheet to support the topic	<a href="https://thegetitguide.com/math-topics/">https://thegetitguide.com/math-topics/</a>
6-8	A Math Dictionary for Kids	A dictionary of math terms explained with definitions and pictures; a British site so some math is called "maths"	<a href="http://www.amathsdictionaryforkids.com/qr/qr.html">http://www.amathsdictionaryforkids.com/qr/qr.html</a>
6-8	Math Charts (part of A Math Dictionary for Kids)	Posters printable as PDFs explaining math vocabulary words with definitions and pictures	<a href="http://www.amathsdictionaryforkids.com/MathsChartsPDFs/mathchartsPDFs.html">http://www.amathsdictionaryforkids.com/MathsChartsPDFs/mathchartsPDFs.html</a>
6-8	Math is Visual	Select a topic from the "playlist" on the right side to watch a professional video where a math topic is explained.	<a href="https://mathisvisual.com/how-to/">https://mathisvisual.com/how-to/</a>
6-8	Online Calculators	Four-function, scientific, and graphing; click on the "Math Tools" drop-down menu at the top of the page to access each calculator	<a href="https://www.desmos.com/">https://www.desmos.com/</a>
6-8	Flipgrid	Students create short videos of themselves explaining their work/ thinking and then send them to their teachers	<a href="https://info.flipgrid.com/">https://info.flipgrid.com/</a>
4-8	Voiced PowerPoint Presentations	A variety of upper elementary and middle school topics explained and created by The Math Collaborative at CSU	<a href="https://crmc/middle-school-vodcasts.php">/crmc/middle-school-vodcasts.php</a>

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4-8	Virtual Manipulatives (interactive math tools)	Examples include geoboards, number lines, fraction/decimal/percentage strips, stopwatch, and much more	<a href="https://toytheater.com/category/teacher-tools/virtual-manipulatives/">https://toytheater.com/category/teacher-tools/virtual-manipulatives/</a>
K-8	Kahn Academy	Choose videos by grade level that explain many of the topics in 6th-8th grade math; many problems are "worked out" step by step	<a href="https://www.khanacademy.org/math/k-8-grades">https://www.khanacademy.org/math/k-8-grades</a>
6-12	EngageME Mathematics	Animated videos that demonstrate math concepts and encourage students to ponder the question, "What's happening here?" Often these videos explain math topics students are learning in school.	Find this page on Facebook; subscribe to the page to receive new animated videos weekly via your email address

## High School Resources

Grade Level	Resource Title	Description	Link
9-12	Math is Fun	This site has gives the a good mathematics experience. It explains concepts using familiar models.	<a href="https://www.mathsisfun.com/">https://www.mathsisfun.com/</a>
9-12	Mathbits	MathBits.com is devoted to offering fun, yet challenging, lessons and activities in secondary (and college level) mathematics and computer programming for students and teachers.	<a href="https://mathbits.com/">https://mathbits.com/</a>
9-12	Varsity Tutors		<a href="https://www.varsitytutors.com/math-practice-tests">https://www.varsitytutors.com/math-practice-tests</a>
9-12	Brilliant	Build quantitative skills in math, science, and computer science with fun and challenging interactive explorations.	<a href="https://brilliant.org/">https://brilliant.org/</a>

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7-12	Quizizz	Gamified practice and review tool for math and other subjects	<a href="https://quizizz.com/join">https://quizizz.com/join</a>
7-12	Desmos	Online graphing calculator, scientific calculator and geometry tool used on Georgia state tests	<a href="https://www.desmos.com/">https://www.desmos.com/</a>

Also check out

- [Crossword Solver \(Wordle game\)](#)
- [Nerdle - the daily numbers game](#)