

Games that Use Math

Playing games together is a relaxed and effective way to improve a student's basic skills. The following games are appropriate for fourth graders:

- Mancala
- Monopoly
- Chess
- Risk
- Stratego
- Senet
- Yahtzee
- Go



Useful Internet Sites

General Resources

- <http://www.learninggamesforkids.com/4th-grade-math.html>
- <http://www.AAAMath.com/>
- <http://www.coolmath.com/>
- <http://www.internet4classrooms.com/skills-4th-mathbuilders.htm>
- <http://www.aplusmath.com/>
- <http://www.kidsnumbers.com/>
- <http://www.funbrain.com/math/index.html>

Math Fact Practice

Multiplication Practice

- <http://www.multiplication.com/>

Multiplication Baseball

- <http://www.funbrain.com/numbers.html>

Practice addition, subtraction, multiplication and division

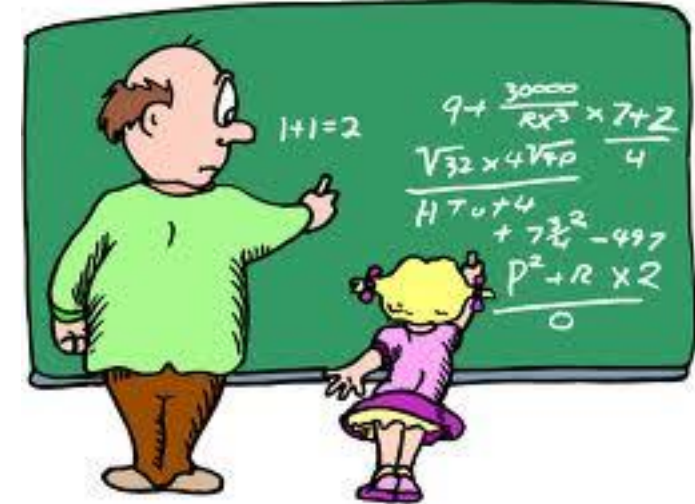
- <http://www.oswego.org/ocsd-web/games/Mathmagician/cathymath.html>

Math Mayhem Game

- <http://members.learningplanet.com/act/mayhem/free.asp>

Old Rochester Regional School District
Massachusetts Superintendency Union #55
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How Can I Help My Child Love Mathematics?



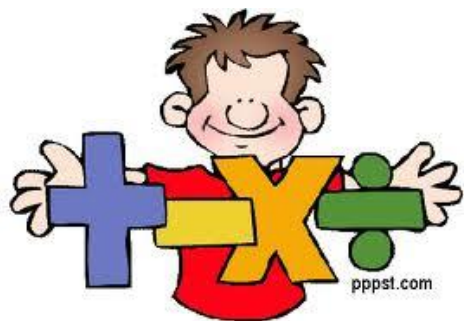
A Guide for Fourth Grade Parents

Math in Family Life

As your child nears the end of elementary school, you may find it a little more challenging to help with homework. The math might seem less familiar and it might seem harder to work together

productively than it was when your child was younger. Above all else, you can help your child be successful by communicating that you think that math is useful, important, accessible, and interesting.

By the end of fourth grade, children should have mastered all basic facts and be able to compute with larger numbers, make good estimates, compare fractions and decimals, and interpret tables and graphs. The examples provided might give you some ideas about how to practice these and other important skills with your child as you go through your daily life.



At Home

- Cook with your child. Ask him/her to measure ingredients and help you halve a double recipe. Ask him/her to think about conversions. "This can of tomato juice is 24 fluid ounces. We need to use $2\frac{1}{2}$ cups of tomato juice. How many fluid ounces of tomato juice will there be left in the can?"
- Ask for your child's help in elapsed time. "It takes about 25 minutes to get to Aunt Sue's house. We're supposed to be there at 2:15. What time should we leave?"
- Open up a savings account for your child and help him or her think of ways to earn and save money. Help maintain the balance.

- Sewing, building, and other household projects can involve lots of math. For example, ask your child how many gallons of paint or yards of fabric are needed for your project.
- Talk about how you and other adults use math in your jobs and how math is involved in jobs/activities that interest your child.

At the Store

- Ask your child to figure out or estimate the new price for sale items.
- Ask your child to compare different brands. "Which one is a better buy?"
- Ask your child to figure prices based on cost per pound or number. "These apples are \$1.49 per lb. If we get 3 lbs, how much will it cost? Or sneakers are \$27.99 per pair. How much would 3 pairs cost?"

On the Go

- Ask your child to read the schedule at a bus or train stop and figure elapsed time relating to the schedule.
- Ask your child to think about fractions and distances. "It's 23 miles to Joe's house. We've gone 7 miles. Is that more or less than $\frac{1}{3}$ of the way?"



If your child excels in math, your child's teacher can recommend challenging and engaging games and activities. You might also want to

subscribe to a children's math magazine like *Math* or *Dynamath*. The websites below are great sources of problems, challenges, and real-world math connections.

- <http://plus.maths.org/content/>
- <http://nrich.maths.org/frontpage>
- <http://plus.maths.org/content>

Information in this pamphlet was taken from The Math Learning Center