

Math Outside the Book
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Heppner's Legacy Homeschool Resources
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Why Games?

- *Make math real and meaningful*
- *Avoid problems with "word problems"*
- *Relationships*
- *Sportsmanship*

Working together with your curriculum

Great tools and games:

- *Math-it*
- *Games for Math – by Peggy Kaye*
- *Bump*
- *Goose Egg*
- *Cuisenaire*
- *Logic Puzzles*
- *Wrap Ups*
- *Dice*
- *Skip Counting*
- *Dominoes*
- *Mancala*
- *Mastermind*
- *Cribbage*
- *Uno*
- *Trigger Memory Mnemonics - Times Tales*

Understanding Numbers:

- **Number Boards and Hundred Boards*
- *Trip to Grandma's*
- *Linking Cubes and Teddy Bears*
- **Race to 100*
- *Inchworm Number Line*
- *Bean Sticks for Base 10*
- *Dice Games*

Attacking Addition Facts!

- *Two Card War*
- *10*
- **To 12 and Back*
- **Cover Up*
- *Flash Cards*

Mastering Multiplication Facts!

- *The Graph Game*
- **Multiplication Chart*
- *Bathroom Mirrors / Bedroom Ceilings*
- **X3 – X9 Board Games*
- **5 in a Row*
- **Uncle Randy's Game*

Taking it one step further!

- *Target*
- *S'Math*
- *Audio Memory CD's – Addition, Subtraction, Multiplication, Division*

Money!

- **Menu Math*
- *Grocery Cart Math*
- *Moneywise Kid\$*

Strategy Games You Can Make or Buy:

- **Smath – Pressman Toys – Like Scrabble with numbers and operation signs. A great way to create equations for beginners or those learning the order of operations.
- **Bump: The Sneaky Number Game – Addition/Subtraction game with a twist
- **Goose Egg: - Two multiplication games in one
- **The Book of Classic Board Games, by Sid Sackson, Klutz Press, 2008 – Cardboard paged game book with 15 classic strategy games from 3D tic-tac-toe to backgammon. Comes complete with playing pieces. A favorite for family trips.
Chess/Checkers – No one ever grows out of these strategy games!
Backgammon – A roll of the dice can change the outcome, but strategy plays a big part in who wins. Rules at - <http://www.bkgm.com/rules.html>
- **Mancala – All you need is a 12 count egg carton and beans or counters.
Rules at - <http://www.centralconnector.com/GAMES/mancala.html>
- **Mastermind – A critical and deductive thinking game using colored pegs to and clues to determine the pattern created by your opponent. A classic!
- Othello- Played on an 8x8 board just like checkers and chess. The trick is to have 64 playing pieces with one color on each side. Make your own with wood, cardboard or paper pieces. Find the rules at this website - http://www.pressmangames.com/instructions/instruct_othello.html
- **Cribbage – A classic card game with LOTS of addition and decision making.
http://www.cribbage.ca/crib_description_en.htm
- Pente – Strategy for ages 7-107! <http://www.pente.net/instructions.html>

Some of my favorites, surely not exhaustive, list of fun math resources

- **Games for Math, by Peggy Kaye, Pantheon Books, 1988 – Great math ideas for K-3
- **Times Tales, by Jennie von Eggers, Trigger Memory Systems – Wow! Finally a great story based, visual way to learn the upper times tables 3's through 9's with NO pain! Mnemonic aids help children remember the facts. Games and activities for reinforcement included.
- The Usborne Book of Brain Benders – includes picture puzzles, number puzzles and brain puzzles. Nice, colorful illustrations and not too hard for beginners.
- **One Hundred Sheep – CD & booklet of songs that reinforce counting for numbers 2-10. Songs are based on stories from the Gospels. Kindergarten – 4th
- **Usborne Young Puzzle Books, by Susannah Leigh – As many as 12 titles each with a thematic story to lead you through about 15 puzzles of all types. My kids love these! Great for grades 2-5.
- **Mind Benders - Deductive thinking puzzles that develop the logic, reading comprehension, and mental organization skills vital to achieving high grades and top test scores in all subjects. Grades 3+
- **Logic Books by Bonnie Risby, Dandy Lion Publications – come in all levels and teach great basic concepts in Logic. Some titles include Logic Safari, Lollipop Logic, and Logic Countdown. Grades 1 and up.

* Black line masters available in "Math Games Galore!" packet

** Available from Heppner's Legacy Homeschool Resources

Included in the packet are game boards and instructions for 15+ games. \$19.50 + \$3.75 shipping

For information contact :

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