

MATH GAMES FOR ADULT AND CHILD

The Talk

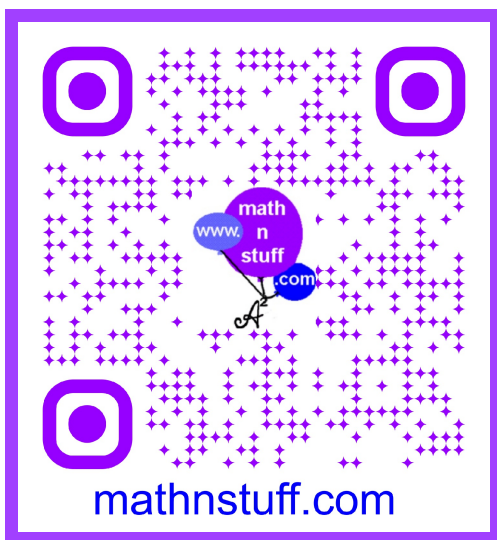
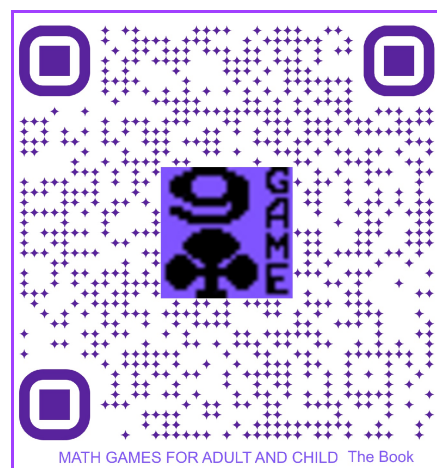
AMTNJ, 10/25/2024

[www.mathnstuff.com/papers/
amtnj.10.25.2024.htm](http://www.mathnstuff.com/papers/amtnj.10.25.2024.htm)

- a pdf of the "paper" follows next

MATH GAMES FOR ADULT AND CHILD The Book

mathnstuff.com/math/games/mgcover.htm



mathnstuff.com

The web site w/ dictionary, The Hundreds Board Book, other math & teacher support material

contact the webmaster & author

Agnes (A^2) Azzolino

* leave a message through the pink box ->

* send an email to asquared@mathnstuff.com



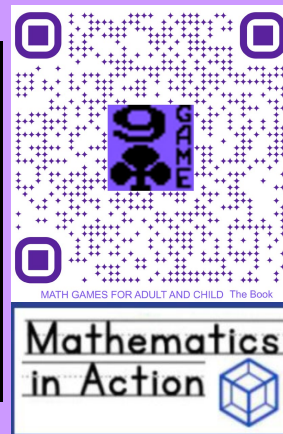


MATH GAMES (Concrete & Digital) FOR ADULT AND CHILD (Ages 2 - 7)

Abstract

At an AMTNJ meeting 40 years ago, my 6-year-old and I presented our math games. A man in the audience requested I write a book. Written by 1985, posted free and downloadable on the net by 1993, digital in the early 2000s, today we use both concrete and digital versions.

Sample/play representation & counting games, including the 100s board for group bingo and computation; travel games; card games like "Beat the 10s," "Done," and "For 2, 3, or 4;" board and geometry games (including "Find the Circle," and "I Want You to Draw"). Other concrete and digital manipulatives for fraction, decimal, whole, and integer computation will be mentioned and we'll end singing. Come play! [pdf of this "talk"](#)




Digital Manipulatives



[video](#)

- (do now) [Lab 1](#) - Sheet 1 - Select, Copy, Paste
- (skip now) [Lab 2](#) - Term Tiles & hyroglyphics
- (maybe later) [Lab 3](#) - multiple strips, nomograph, thirds & sixths & ninths
- (in detail, below) [Lab 4](#) - The Hundreds Board - place, slide, add, subtract, multiply, divide, play "group bingo," write questions & a bingo game
- (maybe later) [Lab 5](#) - calculi, why we have the coins we have

The Hundreds Board



[The Book](#), [an Intro](#), the [DIGITAL MANIPULATIVE](#) of the 100s Board.

Just the Boards:

- [traditional 100s board](#)
- [0 to 99 board \(0 on left\)](#)
- [negative-positive board \(0 on right\)](#)
- [negative-positive board \(0 on left\)](#)

Computation,

- Play Group Bingo [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#)
- ["group bingo 3a"](#), ["group bingo 3b"](#), ["group bingo 3c"](#)
- [group01.gif](#), [group02.gif](#)

Have Teachers OR STUDENTS Write Bingo, Practice Sheets

- Using [colored multiples of the 2s - 6s](#)
- Using [100s.gsp](#) or [coins.xls](#)
- Using [Geometer's Sketchpad](#)

Free Geometer's Sketchpad!
<http://www.keypress.com/gsp/download>

Card Games

- ["Game for Two, Three, or Four"](#) -- A rummy card game for first or second graders provides work with different number families, addition, and subtraction.
- (now, with cards) [SUMTHING ELSE](#) -- "Concentration" 2 versions - just match the number and number family of 5s or 6s or ...
- [BEAT THE TENS](#) -- solitaire reinforcing pairs totaling 10
- [FOR 2, 3, OR 4 and DONE](#) -- rummy, number families, players set the game end, (now, with cards) [Done](#) is tough because a player may hold many cards looking for a pair totaling 10 to discard

Geometry Games

- (skip) [Find the Circle](#) - shell game
- (quick look now) [Polygons and Their Names](#) and Find the Circle Figures
- (play now) [I Want You to Draw](#) with [Plastic Figures](#)




DIGITAL MANIPULATIVES
-- Sorted by NJ Standards,
-- Current Full Set of Spreadsheets

"Other concrete and digital manipulatives for fraction, decimal, whole, and integer computation"

"we'll end singing"

[The Three Times Tables to the Tune of Frere Jacques](#)
words and music by Grace Burton.



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