

**Puzzles:**

- Klotski puzzle
- Professor Puzzle Aristotle's Number Brain Teaser Puzzle
- Rubik's Cube (look up Rubik's: You Can Do The Cube)
- Towers of Hanoi
- Mathdoku
- Sumdoku

**Math Board Games:**

- Prime Climb (works extremely well when scaffolded)
- Genius Square
- Genius Star
- Blokus
- Race to Infinity
- Proof!
- Catan (great for ratios and probability)
- Arithmanix
- Mathological Liar
- Math Fluxx
- Othello
- Opps
- Muggins
- Double Shutter
- Equazzle
- Sequence
- Skunk (great for probability)
- Flip 4
- Smath

**General Reasoning/Critical Thinking/Strategy/Logic Board Games:**

- Mastermind
- Pentago
- Rack-O
- Qwirkle
- Otrio
- Izzzi
- Mancala
- Digits Do
- Connect 4
- Rush Hour
- Ticket to Ride
- Cash-flow 101
- Battleship
- Chess

**Card Games**

- Math 24
- Ono 99
- Integer war (a spin off of the card game "war". Works with adding, subtracting and multiplying integers).
- Fraction war
- SET
- Absolute Zero
- TARGET
- Cribbage
- Sky Jo
- Zeus On The Loose
- Uno
- Skip-Bo
- Phase 10
- Maths Stacks – One step algebra
- Maths Stacks – Two step algebra
- Snap It Up
- The Green Board Game Co Four function snap cards (addition, subtraction, multiplication and division)
- The Green Board Game Co Times table snap cards
- The Green Board Game Co Fraction Snap cards
- Brain Games Logic cards

**Integer War Rules:**

- 1) Shuffle the cards.
- 2) Hand each player an equal number of cards, use the entire deck.
- 3) Select "Player A" and "Player B".
- 4) "Player A" flips his/her card. Both players record the number sign on the provided scrap paper.
- 5) "Player B" flips his/her card. Both players record the number sign on the provided scrap paper.
- 6) Both players solve the problem. The player to CORRECTLY solve it first takes the cards.
- 7) Once one player's cards are gone (even the ones you won) the game is over. The player with the cards wins!

Number Cards = the stated number

All Face Cards = 10

All Aces = 1

Black Cards are POSITIVE

Red Cards are NEGATIVE

### Dice Games:

- Shut the Bo
- Farkle
- Yahtzee
- Even Stevens Odd
- Hot Potato Maths Dice (any operation)

### Websites:

- Nrich website  
<https://nrich.maths.org>
- Primary UKMT Challenge website  
<https://www.ukmt.org.uk>
- Brilliant.org  
<https://brilliant.org>
- Ted-Ed  
<https://ed.ted.com/lessons?category=mathematics>
- Beestar  
<https://www.beestar.org>
- Art Of Problem Solving  
<https://artofproblemsolving.com>  
Challenge puzzles: <https://artofproblemsolving.com/keeplearning>

### Online Games:

- Think Fun  
<https://www.thinkfun.com>
- Top-Marks  
[www.topmarks.co.uk](http://www.topmarks.co.uk)
- Mathigon  
<https://mathigon.org>
- Math Playground  
<https://www.mathplayground.com>
- Maths Equals Love  
<https://mathequalslove.net>
- Teachers Pay Teachers  
<https://www.teacherspayteachers.com>
- 99 Math  
<https://99math.com>

### Books:

- Maths Games for Clever Kids
- Times Table Games for Clever Kids
- The Number Devil: A Mathematical Adventure
- Maths Quest
  - The Museum of Mysteries
  - Cavern Of Clues
  - Mansion Of Mazes
  - The Planet Of Puzzles
- Murderous Maths
  - The Phantom X
  - Desperate Measures
  - The Perfect Sausage and Other Fundamental Formulas
  - Guaranteed to Bend your Brain
  - Guaranteed to Mash your Mind
  - Do you Feel Lucky
  - Awesome Arithmetricks
  - Savage Shapes
  - The Key to the Universe
  - Easy Questions Evil Answers
  - The Mean and Vulgar Bits
  - The Secret Life of Codes