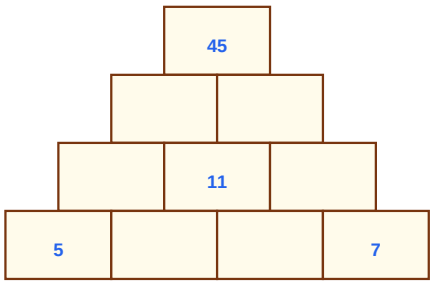
ARITHMETIC PYRAMIDS & LOGIC

MATH ADDITION NUMBER PYRAMIDS

4 Multi-Tier Addition Pyramids * Upper Block = Sum of Two Supporting Blocks

SOLVER TIME & SCORE
Start: ___:___ Stop: ___:___
Difficulty: [ ] Easy [ ] Med [ ] Hard

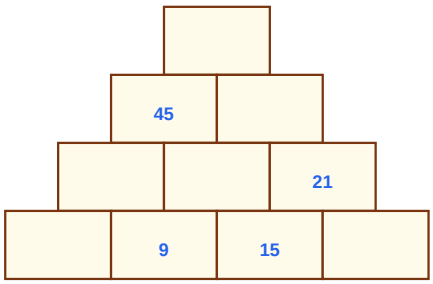
PYRAMID 1: LEVEL I (4 TIERS)



Solve via Addition upwards and Subtraction downwards

Elapsed Time: ____:____ Accuracy: [100%]

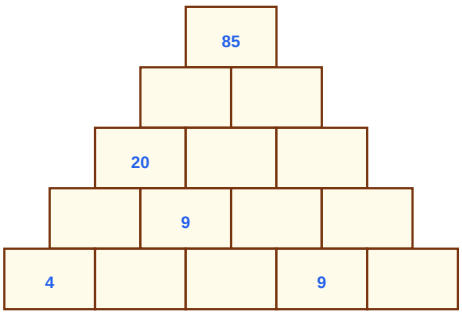
PYRAMID 2: LEVEL II (4 TIERS)



Solve via Addition upwards and Subtraction downwards

Elapsed Time: ____:____ Accuracy: [100%]

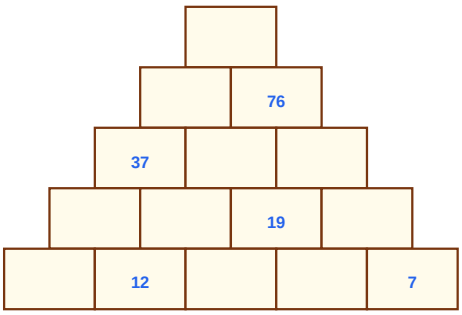
PYRAMID 3: LEVEL III (5 TIERS)



Solve via Addition upwards and Subtraction downwards

Elapsed Time: ____:____ Accuracy: [100%]

PYRAMID 4: LEVEL IV MASTER (5 TIERS)



Solve via Addition upwards and Subtraction downwards

Elapsed Time: ____:____ Accuracy: [100%]

MATH PYRAMID RECURSIVE ADDITION ALGORITHM & ARITHMETIC BENCHMARKS

ADDITION RULES

Block above = Left + Right below

Left below = Block above - Right below

Right below = Block above - Left below

Forward sum cascades upward to apex

Inverse subtraction pins base numbers

ALGEBRAIC HEURISTICS

Assign variable 'x' to unknown center base

Express higher blocks in terms of x

Equate apex value to solve for x linear

Check parity (odd + odd = even)

Zero negative numbers in valid pyramids

MATHEMATICIAN RECORD

Mathematician: _____

Solving Date: _____

Total Time: _____ Minutes

All 4 Apex Values Solved: [ ] YES

Pyramid Seal: * * * * *

ARITHMETIC SCRATCHPAD CELLS (BLANK EQUATION BLOCKS):