

Pyramid: Rules

How to solve

- Multiplication and Division: Solve the problems from top to bottom. Each problem has one more digit than the one before.
- Sums: Start with the column on the left. Write its answer in the top box of the column to its right (1)–(6), and include it when you add up that column. Write the answer to the last column in "Answer (7)".

Playing the game

1. Form groups of 2 to 6 players, and give each player one Lv. 1 set.
2. Set a time limit (3 minutes is recommended), and everyone starts at the same time.
3. When time is up, check the answers and count how many are correct.
4. The player with the most correct answers moves up one Lv. in the next round. Everyone else plays the same Lv. again.
5. Play several rounds. The player at the highest Lv. at the end wins.

Variations

- Compare how many problems each player gets right in a row, starting from the first one. This builds accuracy.
- Score 2 points for each problem solved by mental calculation and 1 point for each solved on the abacus. This makes it mental calculation practice.

Soroban Technology Lab

Pyramid Lv. 2		Lv. 2-1
1	$48 \times 6 =$	
2	$32 \times 23 =$	
3	$518 \times 13 =$	
4	$437 \times 149 =$	
5	$9,204 \times 782 =$	
6	$5,947 \times 9,158 =$	
7	$39,487 \times 7,538 =$	
8	$89,143 \times 20,534 =$	
9	$813,652 \times 47,526 =$	
10	$698,745 \times 753,814 =$	

Pyramid Lv. 2		Lv. 2-2
1	$14 \times 2 =$	
2	$58 \times 87 =$	
3	$187 \times 43 =$	
4	$851 \times 426 =$	
5	$3,805 \times 895 =$	
6	$9,764 \times 6,504 =$	
7	$75,043 \times 3,426 =$	
8	$35,864 \times 83,109 =$	
9	$108,956 \times 31,042 =$	
10	$260,315 \times 183,276 =$	

Pyramid Lv. 2		Lv. 2-3
1	$35 \times 3 =$	
2	$61 \times 48 =$	
3	$796 \times 92 =$	
4	$624 \times 915 =$	
5	$7,093 \times 357 =$	
6	$1,568 \times 2,893 =$	
7	$73,419 \times 4,039 =$	
8	$36,847 \times 21,798 =$	
9	$549,317 \times 56,428 =$	
10	$479,302 \times 795,308 =$	

Pyramid Lv. 2		Lv. 2-4
1	$78 \times 3 =$	
2	$58 \times 49 =$	
3	$417 \times 19 =$	
4	$941 \times 751 =$	
5	$5,873 \times 502 =$	
6	$9,315 \times 9,723 =$	
7	$81,547 \times 4,513 =$	
8	$39,284 \times 58,294 =$	
9	$310,584 \times 26,037 =$	
10	$762,593 \times 561,972 =$	

Answers Pyramid

Pyramid Lv. 2

	Lv. 2-1	Lv. 2-2	Lv. 2-3	Lv. 2-4
1	288	28	105	234
2	736	5,046	2,928	2,842
3	6,734	8,041	73,232	7,923
4	65,113	362,526	570,960	706,691
5	7,197,528	3,405,475	2,532,201	2,948,246
6	54,462,626	63,505,056	4,536,224	90,569,745
7	297,653,006	257,097,318	296,539,341	368,021,611
8	1,830,462,362	2,980,621,176	803,190,906	2,290,021,496
9	38,669,624,952	3,382,212,152	30,996,859,676	8,086,675,608
10	526,723,763,430	47,709,491,940	381,192,715,016	428,555,913,396