

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. 4		Lv. 4-1
1	$9 / 5 \times 82 =$	
2	$394 \times 80 / =$	
3	$6,89 / \times 287 =$	
4	$4,38 / \times 2,436 =$	
5	$36, / 95 \times 5,826 =$	
6	$70,958 \times 60,235 =$	
7	$285,3 / 9 \times 10,976 =$	
8	$920,4 / 6 \times 603,527 =$	
9	$6, / 72,853 \times 394,705 =$	
10	$4,269,807 \times 1,937,024 =$	

Pyramid Lv. 4		Lv. 4-2
1	$39 / \times 63 =$	
2	$ / 93 \times 8 / 6 =$	
3	$4, / 58 \times 768 =$	
4	$8, / 24 \times 2,46 / =$	
5	$92,704 \times 6, / 52 =$	
6	$25,769 \times 19,286 =$	
7	$846,09 / \times 48,753 =$	
8	$403,9 / 8 \times 507, / 62 =$	
9	$8,047,295 \times 907,8 / 4 =$	
10	$1,928,735 \times 8,70 / ,269 =$	

Pyramid Lv. 4		Lv. 4-3
1	$208 \times 96 =$	
2	$635 \times 756 =$	
3	$2,85 / \times 25 / =$	
4	$9,043 \times 4,675 =$	
5	$30,784 \times 6,834 =$	
6	$58, / 69 \times 70,58 / =$	
7	$678,3 / 4 \times 10,439 =$	
8	$768,34 / \times 57 / ,063 =$	
9	$4,062,539 \times 749,625 =$	
10	$7,8 / 4,906 \times 3,25 / ,086 =$	

Pyramid Lv. 4		Lv. 4-4
1	$862 \times 84 =$	
2	$7 / 3 \times 965 =$	
3	$8,539 \times 845 =$	
4	$7,26 / \times 6,3 / 5 =$	
5	$28, / 06 \times 7,542 =$	
6	$27,0 / 8 \times 63, / 08 =$	
7	$4 / 9,352 \times 78,563 =$	
8	$329,806 \times 876,304 =$	
9	$6,2 / 9,385 \times 7 / 8,395 =$	
10	$4,263,978 \times 3,792,406 =$	

Answers Pyramid

Pyramid Lv. 4

	Lv. 4-1	Lv. 4-2	Lv. 4-3	Lv. 4-4
1	75,030	24,633	19,968	72,408
2	315,594	157,488	480,060	688,045
3	1,977,717	3,193,344	715,601	7,215,455
4	10,672,116	19,993,164	42,276,025	45,853,215
5	210,872,070	570,315,008	210,377,856	211,975,452
6	4,274,155,130	496,980,934	4,105,626,189	1,705,051,944
7	3,131,661,344	41,249,474,523	7,080,919,846	32,945,551,176
8	555,495,907,232	204,851,860,716	438,771,116,483	289,010,317,024
9	2,436,455,943,365	7,305,447,063,130	3,045,380,797,875	4,467,975,087,075
10	8,270,718,634,368	16,782,442,064,715	25,406,931,487,916	16,170,735,751,068