

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	$3/7 \times 63 =$	
2	$9/7 \times 568 =$	
3	$6,0/3 \times 326 =$	
4	$3,458 \times 1,574 =$	
5	$10,895 \times 6,173 =$	
6	$95,628 \times 31,684 =$	
7	$2/6,593 \times 53,148 =$	
8	$697,135 \times 769,458 =$	
9	$2,385,741 \times 876,024 =$	
10	$2,195,467 \times 1,238,506 =$	

Pyramid Lv. 4		Lv. 4-2
1	$309 \times 3/ =$	
2	$98/ \times 78/ =$	
3	$3,057 \times 186 =$	
4	$8,432 \times 6,305 =$	
5	$28,193 \times 1,253 =$	
6	$10,439 \times 52,716 =$	
7	$871,254 \times 30,819 =$	
8	$681,493 \times 183,027 =$	
9	$7,452,803 \times 209,468 =$	
10	$4,986,352 \times 2,953,784 =$	

Pyramid Lv. 4		Lv. 4-3
1	$695 \times 45 =$	
2	$5/2 \times 742 =$	
3	$6,872 \times 246 =$	
4	$2,195 \times 1,729 =$	
5	$25,047 \times 3,495 =$	
6	$75,398 \times 30,274 =$	
7	$637,928 \times 19,204 =$	
8	$857,401 \times 804,273 =$	
9	$1,529,463 \times 754,386 =$	
10	$5,194,708 \times 1,364,029 =$	

Pyramid Lv. 4		Lv. 4-4
1	$678 \times 5/ =$	
2	$296 \times 342 =$	
3	$3,167 \times 593 =$	
4	$7,096 \times 4,058 =$	
5	$90,158 \times 5,736 =$	
6	$91,278 \times 25,843 =$	
7	$460,923 \times 24,385 =$	
8	$758,096 \times 793,524 =$	
9	$8,649,021 \times 153,647 =$	
10	$5,201,469 \times 8,702,354 =$	

Answers Pyramid

Pyramid Lv. 4

	Lv. 4-1	Lv. 4-2	Lv. 4-3	Lv. 4-4
1	19,971	9,579	31,275	34,578
2	520,856	766,161	379,904	101,232
3	1,960,238	568,602	1,690,512	1,878,031
4	5,442,892	53,163,760	3,795,155	28,795,568
5	67,254,835	35,325,829	87,539,265	517,146,288
6	3,029,877,552	550,302,324	2,282,599,052	2,358,897,354
7	11,511,484,764	26,851,177,026	12,250,769,312	11,239,607,355
8	536,416,102,830	124,731,619,311	689,584,474,473	601,567,370,304
9	2,089,966,373,784	1,561,123,738,804	1,153,805,474,718	1,328,896,129,587
10	2,719,099,052,302	14,728,606,755,968	7,085,732,358,532	45,265,024,558,026