

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	$48 \times 8 =$	
2	$84 \times 35 =$	
3	$451 \times 96 =$	
4	$793 \times 894 =$	
5	$5,174 \times 704 =$	
6	$1,087 \times 9,854 =$	
7	$42,731 \times 5,403 =$	
8	$83,274 \times 25,419 =$	
9	$567,839 \times 39,541 =$	
10	$874,026 \times 274,369 =$	

Pyramid Lv. 2		Lv. 2-2
1	$35 \times 9 =$	
2	$31 \times 27 =$	
3	$982 \times 32 =$	
4	$597 \times 816 =$	
5	$1,568 \times 578 =$	
6	$6,742 \times 8,251 =$	
7	$81,427 \times 7,416 =$	
8	$97,683 \times 93,241 =$	
9	$401,689 \times 95,713 =$	
10	$419,283 \times 618,409 =$	

Pyramid Lv. 2		Lv. 2-3
1	$48 \times 6 =$	
2	$85 \times 71 =$	
3	$701 \times 48 =$	
4	$378 \times 427 =$	
5	$1,842 \times 354 =$	
6	$1,945 \times 2,041 =$	
7	$48,326 \times 8,562 =$	
8	$82,907 \times 10,268 =$	
9	$372,815 \times 68,305 =$	
10	$942,658 \times 876,019 =$	

Pyramid Lv. 2		Lv. 2-4
1	$96 \times 8 =$	
2	$71 \times 21 =$	
3	$582 \times 23 =$	
4	$872 \times 859 =$	
5	$4,032 \times 342 =$	
6	$4,501 \times 8,379 =$	
7	$36,547 \times 1,984 =$	
8	$20,316 \times 12,659 =$	
9	$289,157 \times 79,241 =$	
10	$283,694 \times 847,926 =$	

Answers Pyramid

Pyramid Lv. 2

	Lv. 2-1	Lv. 2-2	Lv. 2-3	Lv. 2-4
1	384	315	288	768
2	2,940	837	6,035	1,491
3	43,296	31,424	33,648	13,386
4	708,942	487,152	161,406	749,048
5	3,642,496	906,304	652,068	1,378,944
6	10,711,298	55,628,242	3,969,745	37,713,879
7	230,875,593	603,862,632	413,767,212	72,509,248
8	2,116,741,806	9,108,060,603	851,289,076	257,180,244
9	22,452,921,899	38,446,859,257	25,465,128,575	22,913,089,837
10	239,805,639,594	259,288,380,747	825,786,318,502	240,551,518,644