

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. 5		Lv. 5-1
1	$567 \times 781 =$	
2	$4,916 \times 356 =$	
3	$3,047 \times 8,237 =$	
4	$31,854 \times 8,342 =$	
5	$76,312 \times 31,802 =$	
6	$790,263 \times 50,461 =$	
7	$192,587 \times 895,132 =$	
8	$4,125,807 \times 762,153 =$	
9	$9,452,076 \times 6,257,384 =$	
10	$28,396,517 \times 2,540,893 =$	

Pyramid Lv. 5		Lv. 5-2
1	$324 \times 946 =$	
2	$5,437 \times 452 =$	
3	$1,568 \times 5,971 =$	
4	$39,281 \times 2,803 =$	
5	$31,072 \times 87,139 =$	
6	$864,927 \times 58,721 =$	
7	$768,941 \times 981,456 =$	
8	$8,053,269 \times 813,904 =$	
9	$6,950,423 \times 5,814,379 =$	
10	$76,250,431 \times 8,956,032 =$	

Pyramid Lv. 5		Lv. 5-3
1	$207 \times 146 =$	
2	$8,671 \times 742 =$	
3	$1,245 \times 1,574 =$	
4	$27,534 \times 2,568 =$	
5	$67,914 \times 71,963 =$	
6	$416,039 \times 63,742 =$	
7	$910,652 \times 621,475 =$	
8	$5,782,946 \times 591,702 =$	
9	$5,903,128 \times 8,370,265 =$	
10	$14,328,906 \times 6,850,921 =$	

Pyramid Lv. 5		Lv. 5-4
1	$642 \times 581 =$	
2	$4,073 \times 681 =$	
3	$4,895 \times 7,628 =$	
4	$61,849 \times 5,182 =$	
5	$61,739 \times 67,205 =$	
6	$258,037 \times 58,614 =$	
7	$467,918 \times 927,586 =$	
8	$5,607,319 \times 359,472 =$	
9	$6,715,439 \times 4,580,216 =$	
10	$38,012,957 \times 5,036,712 =$	

Answers Pyramid

Pyramid Lv. 5

	Lv. 5-1	Lv. 5-2	Lv. 5-3	Lv. 5-4
1	442,827	306,504	30,222	373,002
2	1,750,096	2,457,524	6,433,882	2,773,713
3	25,098,139	9,362,528	1,959,630	37,339,060
4	265,726,068	110,104,643	70,707,312	320,501,518
5	2,426,874,224	2,707,583,008	4,887,295,182	4,149,169,495
6	39,877,461,243	50,789,378,367	26,519,157,938	15,124,580,718
7	172,390,786,484	754,681,758,096	565,947,451,700	434,034,185,948
8	3,144,496,182,471	6,554,587,852,176	3,421,780,714,092	2,015,674,175,568
9	59,145,269,129,184	40,412,393,532,317	49,410,745,688,920	30,758,161,154,824
10	72,152,511,269,681	682,901,300,049,792	98,166,203,022,426	191,460,316,677,384