

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	$387 \div 9 =$	
2	$4,902 \div 57 =$	
3	$14,421 \div 57 =$	
4	$113,424 \div 139 =$	
5	$9,394,248 \div 984 =$	
6	$63,735,595 \div 7,315 =$	
7	$486,828,262 \div 7,834 =$	
8	$5,239,047,674 \div 56,029 =$	
9	$38,609,320,635 \div 46,185 =$	
10	$182,818,884,978 \div 480,762 =$	

Pyramid Lv. 2		Lv. 2-2
1	$747 \div 9 =$	
2	$663 \div 51 =$	
3	$54,697 \div 83 =$	
4	$453,816 \div 764 =$	
5	$189,184 \div 128 =$	
6	$35,184,294 \div 7,614 =$	
7	$141,242,208 \div 3,056 =$	
8	$749,314,206 \div 10,786 =$	
9	$8,803,015,371 \div 17,439 =$	
10	$350,412,044,292 \div 691,238 =$	

Pyramid Lv. 2		Lv. 2-3
1	$203 \div 7 =$	
2	$5,568 \div 58 =$	
3	$64,454 \div 74 =$	
4	$150,569 \div 521 =$	
5	$1,440,306 \div 207 =$	
6	$12,816,407 \div 3,061 =$	
7	$186,266,444 \div 4,018 =$	
8	$2,352,434,816 \div 41,092 =$	
9	$69,553,439,736 \div 87,652 =$	
10	$541,883,006,592 \div 672,384 =$	

Pyramid Lv. 2		Lv. 2-4
1	$316 \div 4 =$	
2	$3,082 \div 46 =$	
3	$11,718 \div 14 =$	
4	$588,588 \div 637 =$	
5	$158,382 \div 126 =$	
6	$61,416,016 \div 8,549 =$	
7	$219,769,496 \div 5,384 =$	
8	$3,714,951,042 \div 43,857 =$	
9	$26,214,639,652 \div 31,762 =$	
10	$287,671,561,798 \div 560,713 =$	

Answers Pyramid

Pyramid Lv. 2

	Lv. 2-1	Lv. 2-2	Lv. 2-3	Lv. 2-4
1	43	83	29	79
2	86	13	96	67
3	253	659	871	837
4	816	594	289	924
5	9,547	1,478	6,958	1,257
6	8,713	4,621	4,187	7,184
7	62,143	46,218	46,358	40,819
8	93,506	69,471	57,248	84,706
9	835,971	504,789	793,518	825,346
10	380,269	506,934	805,913	513,046