

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	$12,516 \div 14 =$	
2	$932,118 \div 974 =$	
3	$2,813,041 \div 307 =$	
4	$18,434,325 \div 2,701 =$	
5	$910,939,458 \div 9,861 =$	
6	$5,339,088,978 \div 58,301 =$	
7	$42,280,043,360 \div 43,795 =$	
8	$416,851,528,624 \div 869,107 =$	
9	$5,621,791,705,317 \div 852,031 =$	
10	$31,639,095,364,548 \div 9,740,513 =$	

Pyramid Lv. 4		Lv. 4-2
1	$21,762 \div 78 =$	
2	$340,164 \div 396 =$	
3	$3,094,492 \div 361 =$	
4	$36,935,936 \div 5,176 =$	
5	$371,890,152 \div 7,416 =$	
6	$1,434,675,231 \div 53,427 =$	
7	$12,353,380,368 \div 12,894 =$	
8	$110,978,918,484 \div 315,602 =$	
9	$3,436,360,338,756 \div 571,084 =$	
10	$51,636,204,947,880 \div 7,603,528 =$	

Pyramid Lv. 4		Lv. 4-3
1	$60,450 \div 75 =$	
2	$39,618 \div 213 =$	
3	$3,048,534 \div 514 =$	
4	$71,964,056 \div 7,432 =$	
5	$416,711,376 \div 4,317 =$	
6	$2,554,765,625 \div 32,701 =$	
7	$21,764,581,370 \div 34,286 =$	
8	$133,688,275,248 \div 317,658 =$	
9	$589,960,798,827 \div 108,467 =$	
10	$87,592,669,158,102 \div 9,784,623 =$	

Pyramid Lv. 4		Lv. 4-4
1	$33,705 \div 35 =$	
2	$227,853 \div 783 =$	
3	$1,639,248 \div 592 =$	
4	$36,409,994 \div 5,834 =$	
5	$248,824,103 \div 8,431 =$	
6	$2,241,589,488 \div 28,703 =$	
7	$30,121,027,625 \div 62,495 =$	
8	$117,880,539,786 \div 824,697 =$	
9	$4,156,961,842,733 \div 907,421 =$	
10	$35,865,854,011,662 \div 7,628,934 =$	

Answers Pyramid

Pyramid Lv. 4

	Lv. 4-1	Lv. 4-2	Lv. 4-3	Lv. 4-4
1	894	279	806	963
2	957	859	186	291
3	9,163	8,572	5,931	2,769
4	6,825	7,136	9,683	6,241
5	92,378	50,147	96,528	29,513
6	91,578	26,853	78,125	78,096
7	965,408	958,072	634,795	481,975
8	479,632	351,642	420,856	142,938
9	6,598,107	6,017,259	5,439,081	4,581,073
10	3,248,196	6,791,085	8,952,074	4,701,293