

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	$30,464 \div 32 =$	
2	$200,690 \div 854 =$	
3	$3,959,714 \div 418 =$	
4	$23,509,504 \div 5,032 =$	
5	$454,583,256 \div 8,936 =$	
6	$5,748,836,515 \div 93,085 =$	
7	$30,297,955,016 \div 82,964 =$	
8	$129,478,964,454 \div 172,389 =$	
9	$1,882,619,649,253 \div 760,291 =$	
10	$47,244,747,623,106 \div 7,041,562 =$	

Pyramid Lv. 4		Lv. 4-2
1	$55,845 \div 73 =$	
2	$345,839 \div 719 =$	
3	$1,798,992 \div 186 =$	
4	$9,327,549 \div 1,897 =$	
5	$465,135,711 \div 8,139 =$	
6	$1,328,423,046 \div 15,306 =$	
7	$63,547,315,256 \div 67,082 =$	
8	$780,953,980,864 \div 839,057 =$	
9	$5,278,727,948,208 \div 605,748 =$	
10	$28,931,562,879,142 \div 5,604,179 =$	

Pyramid Lv. 4		Lv. 4-3
1	$76,824 \div 97 =$	
2	$518,529 \div 627 =$	
3	$5,573,680 \div 592 =$	
4	$1,985,133 \div 1,069 =$	
5	$93,880,728 \div 5,364 =$	
6	$1,925,321,092 \div 23,071 =$	
7	$11,524,245,579 \div 14,307 =$	
8	$383,200,832,538 \div 417,306 =$	
9	$2,204,276,027,274 \div 286,794 =$	
10	$73,491,977,336,198 \div 7,895,014 =$	

Pyramid Lv. 4		Lv. 4-4
1	$14,976 \div 64 =$	
2	$499,290 \div 935 =$	
3	$5,410,134 \div 963 =$	
4	$18,550,095 \div 2,315 =$	
5	$225,220,112 \div 7,054 =$	
6	$394,292,864 \div 28,196 =$	
7	$45,229,325,622 \div 54,723 =$	
8	$384,944,316,678 \div 463,709 =$	
9	$1,667,089,198,788 \div 184,259 =$	
10	$28,740,607,252,500 \div 6,289,375 =$	

Answers Pyramid

Pyramid Lv. 4

	Lv. 4-1	Lv. 4-2	Lv. 4-3	Lv. 4-4
1	952	765	792	234
2	235	481	827	534
3	9,473	9,672	9,415	5,618
4	4,672	4,917	1,857	8,013
5	50,871	57,149	17,502	31,928
6	61,759	86,791	83,452	13,984
7	365,194	947,308	805,497	826,514
8	751,086	930,752	918,273	830,142
9	2,476,183	8,714,396	7,685,921	9,047,532
10	6,709,413	5,162,498	9,308,657	4,569,708