

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. 3		Lv. 3-1
1	$2,584 \div 68 =$	
2	$37,352 \div 46 =$	
3	$105,570 \div 765 =$	
4	$4,989,537 \div 609 =$	
5	$12,545,652 \div 8,974 =$	
6	$658,122,144 \div 7,386 =$	
7	$3,423,384,552 \div 62,571 =$	
8	$64,336,444,599 \div 84,693 =$	
9	$455,704,830,978 \div 869,523 =$	
10	$1,020,930,074,788 \div 469,807 =$	

Pyramid Lv. 3		Lv. 3-2
1	$4,641 \div 51 =$	
2	$19,296 \div 48 =$	
3	$716,452 \div 857 =$	
4	$3,214,848 \div 598 =$	
5	$9,038,494 \div 1,058 =$	
6	$531,633,168 \div 7,326 =$	
7	$3,437,589,752 \div 97,681 =$	
8	$41,495,684,104 \div 73,652 =$	
9	$315,352,997,361 \div 617,943 =$	
10	$1,999,603,567,272 \div 516,298 =$	

Pyramid Lv. 3		Lv. 3-3
1	$1,365 \div 35 =$	
2	$25,331 \div 73 =$	
3	$511,225 \div 605 =$	
4	$7,636,265 \div 845 =$	
5	$24,141,456 \div 9,512 =$	
6	$80,815,016 \div 1,423 =$	
7	$2,485,456,155 \div 25,173 =$	
8	$2,777,038,840 \div 14,072 =$	
9	$617,674,809,500 \div 813,625 =$	
10	$588,618,879,849 \div 279,513 =$	

Pyramid Lv. 3		Lv. 3-4
1	$468 \div 39 =$	
2	$14,208 \div 48 =$	
3	$70,752 \div 352 =$	
4	$1,324,188 \div 804 =$	
5	$58,702,720 \div 6,845 =$	
6	$217,703,856 \div 8,214 =$	
7	$7,914,856,961 \div 93,047 =$	
8	$56,649,856,948 \div 89,564 =$	
9	$810,890,573,125 \div 963,125 =$	
10	$3,351,875,917,320 \div 475,896 =$	

Answers Pyramid

Pyramid Lv. 3

	Lv. 3-1	Lv. 3-2	Lv. 3-3	Lv. 3-4
1	38	91	39	12
2	812	402	347	296
3	138	836	845	201
4	8,193	5,376	9,037	1,647
5	1,398	8,543	2,538	8,576
6	89,104	72,568	56,792	26,504
7	54,712	35,192	98,735	85,063
8	759,643	563,402	197,345	632,507
9	524,086	510,327	759,164	841,937
10	2,173,084	3,872,964	2,105,873	7,043,295