

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. 7		Lv. 7-1
1	$19,605,729 \div 5,961 =$	
2	$584,805,452 \div 9,548 =$	
3	$2,994,947,580 \div 75,468 =$	
4	$9,890,344,312 \div 31,804 =$	
5	$70,473,620,827 \div 206,753 =$	
6	$992,338,056,976 \div 923,167 =$	
7	$13,617,060,606,936 \div 1,423,896 =$	
8	$152,791,011,582,906 \div 8,539,602 =$	
9	$1,529,820,725,730,172 \div 71,534,062 =$	
10	$27,263,652,351,646,437 \div 28,143,057 =$	

Pyramid Lv. 7		Lv. 7-2
1	$13,492,023 \div 5,469 =$	
2	$101,112,704 \div 4,928 =$	
3	$2,389,622,257 \div 28,349 =$	
4	$86,077,381,644 \div 91,746 =$	
5	$161,630,297,364 \div 164,852 =$	
6	$1,892,824,850,995 \div 734,695 =$	
7	$22,305,234,975,348 \div 6,549,218 =$	
8	$85,097,057,911,825 \div 1,260,845 =$	
9	$1,571,516,661,046,758 \div 84,356,017 =$	
10	$20,758,953,338,885,108 \div 59,608,132 =$	

Pyramid Lv. 7		Lv. 7-3
1	$65,762,290 \div 8,602 =$	
2	$86,359,911 \div 3,729 =$	
3	$6,959,029,475 \div 97,325 =$	
4	$36,950,411,810 \div 39,085 =$	
5	$332,910,450,306 \div 490,786 =$	
6	$5,044,794,544,692 \div 752,694 =$	
7	$65,361,128,257,920 \div 6,701,495 =$	
8	$538,676,317,244,163 \div 6,512,387 =$	
9	$1,127,531,078,449,055 \div 48,019,657 =$	
10	$70,759,526,075,962,504 \div 97,104,568 =$	

Pyramid Lv. 7		Lv. 7-4
1	$11,294,512 \div 5,608 =$	
2	$95,141,373 \div 1,563 =$	
3	$4,465,949,082 \div 82,761 =$	
4	$14,553,223,958 \div 28,574 =$	
5	$596,678,555,872 \div 613,978 =$	
6	$3,047,677,654,735 \div 791,465 =$	
7	$18,258,525,767,628 \div 6,927,084 =$	
8	$699,944,015,854,348 \div 9,324,508 =$	
9	$1,159,295,194,400,296 \div 14,359,706 =$	
10	$74,704,509,285,384,768 \div 95,604,387 =$	

Answers Pyramid

Pyramid Lv. 7

	Lv. 7-1	Lv. 7-2	Lv. 7-3	Lv. 7-4
1	3,289	2,467	7,645	2,014
2	61,249	20,518	23,159	60,871
3	39,685	84,293	71,503	53,962
4	310,978	938,214	945,386	509,317
5	340,859	980,457	678,321	971,824
6	1,074,928	2,576,341	6,702,318	3,850,679
7	9,563,241	3,405,786	9,753,216	2,635,817
8	17,892,053	67,492,085	82,715,649	75,064,981
9	21,385,906	18,629,574	23,480,615	80,732,516
10	968,752,341	348,257,069	728,694,103	781,392,064