

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.

Pyramid Lv. 7		Lv. 7-1
1	$1,582 \times 5,137 =$	
2	$93,087 \times 8,931 =$	
3	$73,641 \times 52,879 =$	
4	$348,619 \times 98,167 =$	
5	$218,659 \times 756,084 =$	
6	$6,178,094 \times 937,052 =$	
7	$5,870,231 \times 5,106,287 =$	
8	$23,184,095 \times 5,126,408 =$	
9	$90,246,357 \times 81,293,457 =$	
10	$197,835,026 \times 51,069,248 =$	

Pyramid Lv. 7		Lv. 7-2
1	$1,763 \times 4,037 =$	
2	$85,716 \times 9,247 =$	
3	$23,645 \times 79,614 =$	
4	$123,706 \times 94,512 =$	
5	$748,052 \times 407,659 =$	
6	$5,340,728 \times 672,049 =$	
7	$4,756,912 \times 2,371,486 =$	
8	$52,630,814 \times 8,730,914 =$	
9	$85,701,234 \times 76,130,892 =$	
10	$326,480,159 \times 81,096,753 =$	

Pyramid Lv. 7		Lv. 7-3
1	$8,394 \times 6,704 =$	
2	$21,638 \times 6,851 =$	
3	$12,943 \times 39,524 =$	
4	$984,065 \times 42,896 =$	
5	$872,456 \times 536,721 =$	
6	$1,679,843 \times 457,639 =$	
7	$5,182,906 \times 1,685,394 =$	
8	$10,845,972 \times 2,308,546 =$	
9	$45,826,701 \times 96,140,327 =$	
10	$428,071,395 \times 98,014,572 =$	

Pyramid Lv. 7		Lv. 7-4
1	$7,581 \times 6,059 =$	
2	$45,736 \times 6,951 =$	
3	$72,853 \times 20,784 =$	
4	$492,135 \times 10,253 =$	
5	$791,524 \times 380,417 =$	
6	$2,476,315 \times 469,158 =$	
7	$9,623,485 \times 4,517,093 =$	
8	$25,976,348 \times 5,163,987 =$	
9	$75,498,231 \times 75,042,839 =$	
10	$826,975,301 \times 47,158,602 =$	

Answers Pyramid

Pyramid Lv. 7

	Lv. 7-1	Lv. 7-2	Lv. 7-3	Lv. 7-4
1	8,126,734	7,117,231	56,273,376	45,933,279
2	831,359,997	792,615,852	148,241,938	317,910,936
3	3,894,062,439	1,882,473,030	511,559,132	1,514,176,752
4	34,222,881,373	11,691,701,472	42,212,452,240	5,045,860,155
5	165,324,571,356	304,950,130,268	468,265,456,776	301,109,185,508
6	5,789,195,338,888	3,589,230,911,672	768,761,670,677	1,161,782,992,770
7	29,975,084,242,297	11,280,950,211,232	8,735,238,674,964	43,470,176,729,105
8	118,851,130,080,760	459,515,110,783,996	25,038,425,276,712	134,141,523,379,476
9	7,336,438,342,186,149	6,524,511,389,920,728	4,405,794,019,471,227	5,665,601,593,717,809
10	10,103,286,005,880,448	26,476,480,813,823,727	41,957,234,566,367,940	38,998,999,083,689,202