

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. 3

Lv. 3-1

						(6)
					(5)	
				(4)		
			(3)			
		(2)				
(1)						
6	91	401	738	9,548	60,825	-659,083
8	78	268	3,160	74,631	165,823	-2,659,704
3	32	893	98,217	284,510	4,876,295	-4,630,871
4	86	905	3,071,529	693,187	3,071,529	
3	20	154	4,672	56,731	-784,251	5,246,170
8	35	357	5,319	86,945	871,602	-2,798,314
2	54	912	3,752	64,203	826,579	6,951,230
Answer (7)						

Pyramid Lv. 3

Lv. 3-2

						(6)
					(5)	
				(4)		
			(3)			
		(2)				
(1)						
6	79	916	76,295	-475,216	6,084,397	-2,579,318
2	51	704	1,532	14,308	-257,403	6,142,039
1	36	932	6,708	31,287	872,534	8,425,709
8	84	128	6,897	73,509	-807,359	8,714,063
2	62	647	3,680	82,459	-109,827	-7,059,462
5	48	569	7,231	20,713	790,261	9,862,134
1	60	145	8,659	76,143	520,846	-5,390,712
			8,491	53,920	524,108	4,932,501
			4,183	45,286	734,965	3,071,524
			7,204	38,960	713,460	-5,716,408
Answer (7)						

Pyramid Lv. 3

Lv. 3-3

						(6)
					(5)	
				(4)		
			(3)			
		(2)				
(1)						
8	25	129	8,703	79,158	-548,173	3,294,510
1	91	570	9,648	68,257	297,480	5,389,160
9	82	321	4,357	45,698	-152,839	-9,548,237
8	31	964	9,041	60,472	503,261	-4,217,596
9	70	642	6,971	87,564	923,547	2,475,308
2	46	483	6,159	27,905	480,697	-2,165,879
4	54	956	2,543	83,610	564,021	-1,304,972
			6,871	30,261	-915,436	2,194,706
			3,512	74,398	451,907	-6,504,182
Answer (7)						

Pyramid Lv. 3

Lv. 3-4

						(6)
					(5)	
				(4)		
			(3)			
		(2)				
(1)						
2	62	627	94,328	-651,089	5,197,368	-4,325,680
7	84	410	1,805	26,705	7964,105	6,419,203
1	51	275	9,674	83,694	410,238	5,681,972
5	27	263	4,230	20,817	-725,063	-7,139,084
8	23	538	9,527	91,043	390,845	-1,940,263
7	98	806	6,382	80,512	-709,143	8,641,235
3	10	152	4,908	53,068	564,270	4,027,593
			8,461	16,738	245,916	-6,754,829
			2,107	65,140	-743,195	2,531,876
			7,693	37,964	639,874	-1,470,632
Answer (7)						

Answers Pyramid

Pyramid Lv. 3

	Lv. 3-1	Lv. 3-2	Lv. 3-3	Lv. 3-4
(1)	34	25	4 /	33
(2)	430	445	440	388
(3)	5,058	4,843	5,309	4,040
(4)	63,940	59,428	63,114	58,827
(5)	650,768	572,308	712,468	628,836
(6)	1,958,155	3,294,762	2,183,868	1,204,406
(7)	20,524,587	28,155,339	12,159,318	20,037,270