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. 6

Lv. 6-1

	(1)	(2)	(3)	(4)	(5)	(6)
						1,723,098
					852,609	−1,895,642
				43,027	215,734	−1,067,423
			7,896	96,581	934,057	6,857,230
		251	4,062	14,653	−841,396	5,482,719
4	76	378	8,751	17,480	183,407	4,390,186
7	40	390	7,513	60,324	146,729	−2,371,856
6	73	924	2,465	32,196	−765,820	8,713,465
2	18	486	8,931	34,219	108,364	−9,401,265
8	39	865	9,403	74,028	274,015	9,457,803
4	84	531	6,284	92,856	−517,830	−4,179,238
2	65	427	9,726	78,609	−946,582	−5,812,379
1	17	170	4,597	80,531	832,691	7,165,402
9	21	493	2,073	47,953	−325,904	3,406,952
7	92	803	2,643	75,240	−723,618	−5,396,047
9	56	659	9,538	53,472	−184,679	6,531,782
5	38	704	1,328	31,690	975,263	5,298,470
3	25	968	3,859	52,437	153,260	−2,645,081

Answer (7)

Pyramid Lv. 6

Lv. 6-2

	(1)	(2)	(3)	(4)	(5)	(6)
						7,315,264
					613,784	2,804,975
				95,748	214,590	3,682,709
			9,820	83,672	231,659	7,549,631
		816	9,615	30,156	−945,167	−2,064,185
1	34	204	6,084	54,230	−483,572	9,271,046
8	89	974	4,537	96,527	−249,738	9,527,301
7	50	790	2,498	98,463	761,950	−1,304,826
8	47	651	1,975	20,897	968,342	−9,243,587
5	26	309	7,192	14,825	−650,923	2,498,736
3	28	436	2,837	60,415	−526,703	−6,387,052
5	25	863	2,056	71,359	157,398	−8,210,935
6	67	325	3,712	42,093	817,063	−8,652,391
3	97	287	5,403	51,306	109,425	1,925,470
8	12	541	8,350	68,901	531,906	−3,769,815
7	30	987	1,374	89,016	−850,219	6,701,458
2	13	310	8,461	37,842	−785,461	−4,085,219
6	96	928	9,163	36,472	861,204	6,187,304

Answer (7)

Pyramid Lv. 6

Lv. 6-3

	(1)	(2)	(3)	(4)	(5)	(6)
						2,640,835
					783,156	−2,719,054
				91,687	846,039	−1,379,068
			5,683	63,720	384,725	−1,468,395
		213	6,549	35,284	−921,854	2,135,470
7	29	756	8,913	94,537	472,095	−1,475,286
2	74	831	6,024	15,968	−265,948	−1,089,723
8	43	469	1,028	70,841	802,763	3,902,615
3	61	920	1,206	18,962	−146,527	−1,928,560
8	38	854	5,302	28,543	−921,370	6,394,072
2	28	201	9,865	47,190	−650,931	8,214,906
1	97	574	7,143	19,473	120,847	6,158,740
7	76	160	4,273	42,075	912,683	9,073,658
8	25	846	9,031	87,026	639,478	3,217,589
3	50	180	7,896	96,304	765,420	−7,683,451
2	86	692	2,415	95,302	731,059	1,546,827
4	19	582	2,576	74,685	−693,817	−7,568,439
1	10	639	3,091	29,185	−384,209	6,247,813

Answer (7)

Pyramid Lv. 6

Lv. 6-4

	(1)	(2)	(3)	(4)	(5)	(6)
						1,792,506
					624,783	1,549,830
				52,470	−615,049	−4,321,578
			7,103	31,209	290,814	−1,438,096
		693	6,935	85,069	547,692	6,943,281
1	12	180	7,246	17,843	432,167	3,815,067
9	74	852	8,093	26,931	951,470	−7,023,849
5	96	714	6,782	19,674	713,804	7,154,892
7	58	570	5,170	48,356	−580,132	9,583,624
8	81	627	1,784	52,108	−869,543	−8,976,150
1	34	293	1,860	78,962	−523,761	−2,609,157
8	93	548	9,258	41,750	487,926	−6,359,710
2	75	764	4,592	20,789	−295,831	−1,076,492
3	30	126	4,639	14,562	−301,692	−2,051,974
1	20	916	6,721	60,257	916,730	1,697,234
3	62	841	5,493	87,930	296,085	2,634,907
6	78	306	5,610	94,865	−765,908	8,091,653
8	54	830	4,305	73,925	958,427	5,762,184

Answer (7)

Answers Pyramid

Pyramid Lv. 6

	Lv. 6-1	Lv. 6-2	Lv. 6-3	Lv. 6-4
(1)	67	69	56	62
(2)	711	683	692	829
(3)	8,760	9,104	8,609	9,089
(4)	97,829	92,181	89,604	94,680
(5)	983,125	1,044,103	1,000,386	901,380
(6)	1,353,425	1,819,641	3,473,995	3,169,362
(7)	27,611,601	15,565,525	27,694,544	18,337,534