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

						(6)
					(5)	5,028,674
				(4)	318,594	3,589,201
			(3)	69,235	−207,465	−4,217,098
		(2)	4,219	85,470	476,819	−3,970,568
	(1)	893	9,843	84,531	290,643	−2,701,645
7	15	672	8,590	30,912	−783,125	6,145,789
5	83	480	7,162	80,976	−847,036	4,653,017
4	90	657	8,957	41,397	860,937	7,360,891
1	26	935	6,524	86,504	140,298	9,527,463
7	94	316	7,185	82,195	358,962	−2,078,946
8	75	245	5,041	46,237	521,974	3,641,289
2	81	164	6,098	91,742	−982,653	1,325,908
1	62	129	9,730	26,753	578,201	7,912,304
6	50	409	6,137	31,690	705,482	−9,850,132
9	43	918	2,760	96,358	−129,730	−5,482,769
6	72	147	5,402	73,289	752,146	−4,156,973
4	64	593	3,861	49,081	−569,014	−5,207,391
3	87	823	1,504	41,862	−164,098	1,097,425
4	39	304	3,916	34,015	709,453	5,873,269
6	37	705	2,403	25,360	−642,059	−2,658,103

Answer (7)

Pyramid Lv. 7

Lv. 7-2

						(6)
					(5)	3,416,579
				(4)	295,017	8,539,620
			(3)	69,435	−483,625	−4,925,387
		(2)	9,178	29,813	−360,781	−5,670,941
	(1)	138	9,453	24,790	−179,234	−2,057,841
1	75	817	6,503	41,659	−154,897	9,816,523
5	16	507	3,290	18,526	438,970	3,401,682
6	81	594	5,172	50,379	843,162	8,179,406
4	29	762	8,941	79,208	215,096	6,138,254
8	34	309	7,680	84,967	824,653	9,031,276
1	59	473	5,031	57,386	749,518	−6,387,159
6	62	461	7,285	12,870	780,234	6,714,902
9	30	984	7,426	35,146	−569,307	−6,370,418
4	28	651	5,816	35,092	−302,465	9,485,237
2	41	146	9,167	80,453	630,529	4,980,731
4	47	358	8,309	81,267	690,185	−2,674,590
7	60	972	1,947	57,632	−936,081	−1,026,457
1	63	683	9,603	83,651	617,584	−2,943,068
7	93	790	2,315	10,546	391,720	−3,258,769
5	45	620	4,785	76,395	−513,408	3,924,850

Answer (7)

Pyramid Lv. 7

Lv. 7-3

						(6)
					(5)	7,032,489
				(4)	934,826	−5,749,836
			(3)	10,584	587,961	−3,415,068
		(2)	8,017	76,839	−342,695	−1,604,257
	(1)	601	3,957	43,051	−658,472	2,564,179
7	76	738	1,502	71,306	−138,046	−1,758,603
5	32	659	8,674	42,873	−789,423	−1,097,523
8	90	250	4,281	92,567	914,250	3,285,961
6	65	397	6,035	41,602	976,318	8,950,743
3	64	425	9,236	67,049	603,827	4,928,167
6	18	826	2,456	98,621	561,208	8,076,329
1	37	104	5,173	10,258	197,634	1,983,452
2	20	417	6,394	45,091	951,064	−7,819,504
3	42	549	5,182	24,785	−278,143	4,807,391
7	14	678	6,429	73,924	301,659	6,945,320
2	98	513	7,369	46,537	−812,730	−8,536,710
7	87	392	6,548	87,150	−104,523	−9,346,812
6	19	830	2,198	65,418	−697,540	2,658,347
2	75	960	8,690	64,293	320,516	−8,371,564
3	43	947	8,740	15,693	470,981	4,650,829

Answer (7)

Pyramid Lv. 7

Lv. 7-4

						(6)
					(5)	2,856,974
				(4)	891,345	7,923,801
			(3)	81,723	627,350	1,562,790
		(2)	6,192	12,639	−806,597	−3,650,412
	(1)	913	2,358	94,085	273,619	−9,265,143
4	45	758	5,761	37,210	204,189	8,465,037
3	67	264	3,475	60,857	185,043	5,718,309
1	90	495	8,537	25,946	941,670	3,891,046
8	20	386	9,420	54,801	285,436	9,540,316
3	31	176	9,160	29,374	−598,460	−2,458,673
9	86	849	2,801	96,134	−742,156	1,026,478
3	28	309	8,379	39,865	258,701	4,280,165
2	73	402	6,302	91,068	634,215	1,049,823
6	62	532	1,096	13,257	−369,127	−7,382,650
4	97	470	7,143	47,391	−387,042	−6,198,324
1	54	213	7,293	72,485	−410,638	−3,678,510
4	41	870	6,435	65,802	−329,761	−4,137,802
9	79	731	9,064	85,743	915,238	8,095,267
6	10	647	2,986	70,639	−397,085	−9,275,834
7	82	921	3,508	40,591	842,560	−1,234,578

Answer (7)

Answers Pyramid

Pyramid Lv. 7

	Lv. 7-1	Lv. 7-2	Lv. 7-3	Lv. 7-4
(1)	73	70	68	70
(2)	991	833	848	935
(3)	9,381	10,098	10,134	9,871
(4)	108,713	121,999	111,015	109,781
(5)	1,186,320	1,051,214	1,088,656	1,129,391
(6)	2,574,649	4,028,084	4,087,328	3,147,891
(7)	18,406,254	42,342,514	12,270,658	10,275,971