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

						(6) 9,864,102
					(5) 508,392	−7,092,356
				(4) 48,913	−920,876	−4,135,078
			(3) 3,875	67,410	107,564	7,640,812
		(2) 468	9,281	84,625	257,619	4,321,987
	(1) 42	629	2,504	51,782	−418,753	−1,658,429
4	90	716	6,742	87,029	−356,420	−1,935,267
6	63	290	3,098	74,135	145,038	6,509,823
9	25	591	1,364	35,698	268,149	5,297,401
5	71	380	7,369	12,379	−309,627	−3,158,764
3	30	342	3,951	52,974	730,546	3,406,928
9	69	278	6,405	61,237	−972,438	−6,170,584
3	98	801	1,870	98,524	671,398	−5,379,260
4	56	537	4,257	60,249	341,967	8,795,013
3	41	426	6,120	63,509	824,619	5,240,379
9	74	543	4,387	78,251	−759,812	9,568,174
8	53	315	8,510	94,087	−510,964	−6,389,750
5	81	972	2,543	27,308	834,095	3,924,158
8						

Answer (7)

Pyramid Lv. 6

Lv. 6-2

						(6) 2,961,483
					(5) 703,418	−4,327,598
				(4) 19,437	428,139	4,605,721
			(3) 4,791	68,302	951,706	−2,097,516
		(2) 293	8,693	10,895	386,495	−3,279,085
	(1) 18	907	5,047	53,764	−576,248	5,813,290
9	32	715	8,950	94,071	−720,931	−4,528,967
6	96	540	3,824	96,231	647,329	−1,053,946
8	75	928	1,345	43,875	−127,650	6,402,537
5	94	673	4,876	74,218	821,306	8,349,176
3	71	396	9,530	68,512	−915,874	−3,902,687
4	50	584	6,927	21,368	−839,051	−2,184,053
9	20	109	3,124	31,624	194,685	7,156,302
8	46	642	8,716	30,684	−962,745	6,089,731
6	59	163	7,902	25,891	860,274	−5,861,309
8	63	407	4,068	97,423	−380,742	2,450,863
7	87	830	7,189	45,198	619,584	3,184,579
2	83	685	6,073	95,860	573,024	6,279,810
7						

Answer (7)

Pyramid Lv. 6

Lv. 6-3

						(6) 3,792,560
					(5) 259,804	−2,718,496
				(4) 41,730	186,350	−3,025,981
			(3) 9,462	69,578	−194,783	8,261,507
		(2) 784	7,281	10,854	−173,962	5,026,743
	(1) 35	593	1,603	76,082	−267,045	−8,304,279
3	42	205	5,739	65,392	937,520	1,935,742
6	31	931	3,568	98,142	679,218	−3,856,214
4	28	467	6,174	34,728	−193,405	1,475,628
7	76	270	8,915	53,971	582,071	−1,093,456
6	89	693	6,810	30,829	745,296	6,902,783
9	54	650	5,390	71,403	325,417	2,891,075
4	60	825	4,769	14,968	−265,841	5,147,320
3	16	348	2,354	85,016	630,514	−1,840,795
2	94	276	1,208	68,427	390,827	−8,156,904
8	10	531	7,526	72,315	−482,937	5,379,264
1	38	942	3,026	93,601	547,630	−4,968,170
2	78	981	9,405	46,093	−816,492	3,015,867
1						

Answer (7)

Pyramid Lv. 6

Lv. 6-4

						(6) 9,523,486
					(5) 620,154	8,634,701
				(4) 73,980	−915,683	2,591,678
			(3) 8,163	94,571	672,450	3,780,126
		(2) 758	4,207	80,536	−934,780	−5,029,437
	(1) 32	937	4,518	13,265	−263,908	9,413,260
3	19	604	9,205	98,643	792,845	−1,964,508
1	67	201	9,346	40,295	369,501	2,413,859
2	93	418	9,864	18,023	548,019	6,792,513
1	40	765	6,350	92,648	−417,856	8,192,056
3	78	382	9,173	69,123	608,321	−3,257,180
2	16	529	2,657	46,157	421,867	−7,589,034
8	65	316	1,427	14,867	−546,972	−1,408,962
5	24	590	3,841	17,054	−104,293	7,058,329
2	91	293	7,835	21,380	419,236	−6,354,872
7	52	674	4,190	74,859	−476,138	−1,638,240
9	86	561	6,704	62,103	935,741	1,867,240
7	74	642	7,912	20,479	281,376	−3,156,407
8						

Answer (7)

Answers Pyramid

Pyramid Lv. 6

	Lv. 6-1	Lv. 6-2	Lv. 6-3	Lv. 6-4
(1)	76	82	56	58
(2)	869	876	707	795
(3)	8,157	8,748	9,203	8,465
(4)	80,433	99,803	92,433	103,857
(5)	1,078,543	977,156	1,025,562	941,840
(6)	1,519,040	2,639,875	3,915,744	2,951,720
(7)	30,168,329	28,698,206	13,779,938	32,820,328