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. 5

Lv. 5-1

						(6)
					(5)	3,796,521
				(4)	306,489	4,803,729
			(3)	86,250	741,820	5,849,607
		(2)	4,612	12,079	−792,531	−7,182,045
	(1)	107	1,704	51,427	457,681	−8,540,176
2	87	649	2,045	94,361	390,215	−1,325,976
1	94	913	8,907	30,649	370,852	2,914,806
9	36	268	9,403	76,345	926,148	−2,901,384
3	29	826	6,891	97,482	−609,384	5,268,410
6	25	704	4,635	58,310	871,465	−2,680,391
3	40	192	1,852	98,127	−132,459	9,237,068
7	12	380	8,273	46,938	183,567	7,521,834
3	73	372	7,065	27,986	−843,057	−7,396,528
9	10	539	3,028	65,290	964,328	5,137,968
7	41	935	2,937	49,172	−418,703	−2,467,305
1	76	148	4,691	29,037	−629,417	4,768,910

Answer (7)

Pyramid Lv. 5

Lv. 5-2

						(6)
					(5)	8,410,739
				(4)	150,864	2,687,534
			(3)	26,107	−638,429	8,193,207
		(2)	5,018	34,579	−215,734	4,059,126
	(1)	284	2,795	50,634	429,570	−2,973,650
1	49	906	5,347	19,826	391,057	5,601,347
3	15	357	6,501	57,980	−348,602	6,435,192
7	63	165	3,406	98,425	−526,718	−1,532,489
6	86	291	8,207	48,230	564,083	8,742,563
1	30	143	8,641	70,356	−153,806	−3,789,514
8	42	932	3,859	81,279	−285,396	−7,691,302
9	51	705	7,640	43,651	461,039	−1,396,408
6	17	317	9,614	38,691	791,253	3,208,579
7	25	872	8,023	76,093	712,396	6,947,853
6	47	418	2,379	54,120	278,365	−1,326,058
8	73	146	9,572	13,864	347,259	−7,028,149

Answer (7)

Pyramid Lv. 5

Lv. 5-3

						(6)
					(5)	5,432,896
				(4)	714,036	−1,503,694
			(3)	18,462	467,259	9,840,627
		(2)	8,657	75,103	832,517	−1,068,473
	(1)	461	4,915	30,698	205,941	−9,087,136
2	87	935	2,896	82,974	798,605	3,762,845
3	61	546	7,460	49,521	623,840	−3,174,289
4	30	829	6,397	79,365	−591,283	2,795,614
2	92	761	1,075	21,756	507,324	1,756,028
6	49	682	4,273	43,701	−951,467	−3,421,985
4	36	195	2,518	96,387	−836,749	−4,107,289
5	12	204	6,209	80,531	478,619	−2,910,653
8	47	170	5,149	41,590	−139,508	9,154,368
9	53	835	2,481	52,947	−671,892	5,079,862
7	24	357	6,480	86,253	280,643	7,289,031
6	58	978	9,138	17,065	−190,258	1,876,530

Answer (7)

Pyramid Lv. 5

Lv. 5-4

						(6)
					(5)	4,362,587
				(4)	798,462	1,439,670
			(3)	20,197	−984,107	7,980,142
		(2)	9,048	95,683	502,813	−5,641,920
	(1)	530	7,526	16,453	619,754	5,968,341
4	92	381	1,480	79,341	−325,678	−6,293,857
8	10	628	2,375	23,809	−368,041	4,012,758
5	54	157	1,309	54,370	832,496	−1,780,325
8	76	965	3,254	12,076	145,932	−9,703,465
4	78	219	7,681	38,794	−506,284	−2,148,509
7	83	654	5,867	57,018	261,073	1,274,806
6	19	386	6,891	68,514	387,159	−1,345,028
8	24	980	8,542	89,125	−530,794	7,653,182
3	53	572	5,917	65,780	736,015	3,569,074
4	67	425	9,673	26,938	−870,632	6,527,491
1	46	301	9,630	85,204	920,547	−3,908,721

Answer (7)

Answers Pyramid

Pyramid Lv. 5

	Lv. 5-1	Lv. 5-2	Lv. 5-3	Lv. 5-4
(1)	51	62	56	58
(2)	574	560	605	660
(3)	6,607	6,096	7,558	6,858
(4)	72,650	87,098	75,206	86,051
(5)	896,103	800,933	851,559	819,353
(6)	2,683,117	2,758,134	2,379,186	2,438,068
(7)	19,488,165	31,306,704	24,093,468	14,404,294