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

1	18 × 97 =
2	204 × 74 =
3	835 × 248 =
4	8,071 × 405 =
5	1,469 × 7,018 =
6	31,679 × 1,783 =
7	43,621 × 59,801 =
8	208,345 × 56,439 =
9	271,034 × 690,782 =
10	9,841,273 × 782,065 =

Pyramid Lv. 3

Lv. 3-2

1	39 × 65 =
2	346 × 86 =
3	619 × 602 =
4	6,728 × 238 =
5	7,043 × 2,678 =
6	63,952 × 2,986 =
7	97,825 × 79,082 =
8	467,835 × 45,397 =
9	801,795 × 569,321 =
10	9,674,108 × 649,813 =

Pyramid Lv. 3

Lv. 3-3

1	19 × 28 =
2	542 × 95 =
3	417 × 496 =
4	7,046 × 673 =
5	7,213 × 8,473 =
6	98,317 × 2,376 =
7	46,582 × 30,874 =
8	408,967 × 31,862 =
9	284,753 × 963,057 =
10	3,647,921 × 310,475 =

Pyramid Lv. 3

Lv. 3-4

1	54 × 21 =
2	843 × 96 =
3	725 × 314 =
4	3,845 × 108 =
5	5,194 × 9,045 =
6	19,578 × 8,426 =
7	98,642 × 39,154 =
8	297,681 × 78,401 =
9	487,902 × 482,579 =
10	5,306,479 × 243,815 =

Answers Pyramid

Pyramid Lv. 3

	Lv. 3-1	Lv. 3-2	Lv. 3-3	Lv. 3-4
1	1,746	2,535	532	1,134
2	15,096	29,756	51,490	80,928
3	207,080	372,638	206,832	227,650
4	3,268,755	1,601,264	4,741,958	415,260
5	10,309,442	18,861,154	61,115,749	46,979,730
6	56,483,657	190,960,672	233,601,192	164,964,228
7	2,608,579,421	7,736,196,650	1,438,172,668	3,862,228,868
8	11,758,783,455	21,238,305,495	13,030,506,554	23,338,488,081
9	187,225,408,588	456,478,731,195	274,233,369,921	235,451,259,258
10	7,696,515,168,745	6,286,361,141,804	1,132,588,272,475	1,293,799,177,385