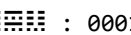
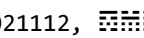
Medius Cifra Abstrusa 37

(1) 4, ×2.5, 10, ×2.5, 25, ×2.5, ?, ×2.5, 156.25

(2)  : 0001102102021112,  : ?

(3) 597864, ⟁⟁△⊠⊞⊟, 1512432100, ⊞⟁⊠⟁⊟△⊠⟁⊞⟁, ?

(4) 3192706584 → ∅⊕⊖⊗⊗⊗⊖⊕∅ → 310714001132, 3192706584 → ⊖⊕⊗⊕⊕∅⊗⊗⊖ → ?

(5)  18  38  23  0  ?

(6) (1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233) ~ (-17, 11, ?, ?, -1, ?, ?, 7, 10, 17, ?, ?, 71)

(7) 1986342075: 9, 66666666, 444, 00, ?

(8) 125, 11.11.11.11.11, 216, 2.2.2.2.2.2, 343, 3333.3333.3333, ?, 5.5, 729, ?

(9) ●○○, 1/23, ○●○●○, 24/135, ○●●○○○●, 237/1456, ○○●●○●○●○, ?

(10) 8|7|6|5|4|3|2, 44|313|33|212|22|111|11, 2222|1561156|16116|106106|1111|55155|515, ?

(11) 0, 2, 0000, 8, 06, 0002, 0000004, 0200000000, ?, ?, 120000

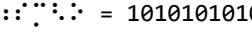
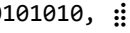
(12) >><<>>><<><>, LJIEDABCFGHKM, ?, XUSQPONRTVWYZ

(13) 22.1, 22, 34.4, 1336336, 46.7, ?, 59, 1, ?, 357911

(14) (0), (5]155[3), (1]0[0]0[6), (1]5[5]42005[9), ?, ?, ?, ?, (4]8[2]8[4), (4]21668[7]4318869[7), (5]155[3]0[0)

(15) 20040825192024: •○○•○•○•○• •○○•○•○•, 17, -8, ○•••○○• ○•○•○ •○•○, 2, 11, 0, ○•••○•○•○•○○•○•, ?

(16) $‡ + $» = ¤§‡, ^ × $ × & = ¤»&, ~ × §¤^ = #~!, ^¤‡~$»!&§# = ?

(17) = 10101010101010,  = 3534333231302928,  = ?

(18) +2864735x, 1064715, ?, 283435, 283135, ?, 166478, x2864735+

(19) (9)[1, 44], (44, 1)[9, 00], ?, ?, ?, 04]

(20) 7, 216, 02015, ?, ?, ?, 4623618421, 00000000

(21) 12345, ?, 357, 168, ?, 12345

(22) 1459, 2, 36, 1459, 1459, 36, ?, 78, ?

(23) 1, 1, 24, 7111, 6222937, 4 6, ?, 21 06

(24) $^{4}{}_{21}{}^{1}{}_{50}{}^{1}{}_{25}{}^{90}$ = 9000, $_{3}{}^{2}{}_{4}{}^{2}{}_{5}{}^{4}{}_{25}{}^{8}$ = 1000, $^{0}{}_{1}{}^{71}{}_{0}{}^{71}{}_{0}{}^{71}$ = ?

(25) 1601510, 2713182, 3811611, 4914192, ?

(26) -20, ?, -35, 7, 2311, 4615, 6919, ?, 101527

(27) 282726252423, 212921182107, ?, 185207419630

(28) 332124, ?, 1918, 10109, 10109, 1119, ?

(29) 0A, 1BCHKR, 2DJU, 3EILVWX, ?, 5FNO, 6, ?, 8GP, ?

(30) 12481, 24816713101455610510677l2, 36123, ?, 51011235, ?, 714591413489l261413461237

(31) 13 / 巳3丐6辺2缶1 = 3339668223111, 10 / 巳1丐2辺3缶9 = 113355LL99, 7 / 巳5丐2辺4缶3 = ?

(32) 9876543210, 191715131197531, 1111375, 333371511, 3456, ?, ?, ?, 11

(33) 1443636, 1324466, ?, ?, 10.(6)16, ?, ?, 10-, 126, 126, 126, 126, -

(34) 84.692345 = fright, 831.3811(12) = green, 73.5(10)8391 = ?

(35) 1, 1, 55, 141414, 1313131313, 3838383838383838, 3, ?

(36) { 9915, 7612, 123197 } : { 011233445667, 01111, 90123, 3210987, 739517395173, 90000, 1111122, ? }

(37) 369, (461056116713808), ?, 66127815931210556511(761389171066), (761389171066)

› About

MCA37 is an abstract numerical test designed to strike a balance between easy and challenging puzzles.

As a sequel to NSL36, it introduces a different approach while maintaining the tradition of being culture-free.

The test incorporates novel formats and ideas, so as to sidestep potential practice effects.

Note that while a pocket calculator may be useful on occasion, it is rarely necessary.

› Submission

Email your solutions to mca37submission@gmail.com. A score report will be sent to you within 24-48 hours.

Note: A submission fee of €10 is required via PayPal. You may make any number of attempts; however, only the first two will be considered official.

Official score reports will include an associated I.Q. score, based on the current norm at the time, estimated from the available data.

For the most accurate results, it is recommended that you solve the test independently.

› Scorelist and Norm

Preliminary norm:

Raw score	I.Q.
7	122
13	131
19	149
25	157
31	164
37	179+