Online Symbolic Performance Scale I (Contest)

1. Introduction

The **Online Symbolic Performance Scale I** is a diverse, numerically oriented proto-psychometric power test for high range intellectual capability. It measures mainly the non-verbal aspects of g using 18 problems.

Almost all answers are numerals, though some problems may have an empty solution (e.g. "Other than two, what are some even prime numbers?"). In that case, to signify you did not leave it empty merely due to a lack of ability, answer with "n/a".

Except from problems with "?X" – where the amount of characters remains secret for additional hardness – the amount of question marks in a problem is the same as that of characters in the answer. This test is divided into two forms (normed separately along with compound norms), both consisting of nine problems.

Due to the numerical nature of this test, most problems function in a somewhat multiple-choicey fashion. For some problems, hints of varying cruciality are presented.

1.1. OSPS Contest

To gather more data and give a challenge, the OSPS currently operates as a contest on OpalQuestGroup.com. Competing in it has no separate requirements, except for a mention such as "my submission is a part of the OSPS contest".

Additionally, you may send an explicit request of having your name on the score list. This must be done prior to the receipt of your score report and can usually be removed only against a fee of 7.5 euros (payable with PayPal).

Using the Greenwich Mean Time, this contest ends September 1st 2018.

2. Rules

1. Do not ask help from others.

2. Only use answers ultimately thought by yourself. For obtaining them based on your initial idea, you may use computerized programs such as calculators.

3. List all your past test scores to which you have access.

4. Do not lie about the obtained score. Megalomania not tolerated.

5. You can share but not re-publish this test.

6. Attach your photo ID showing your full name, age/birthdate, and country.

3. Theoretical Norm

Raw scores can be converted to theoretical I.Q.'s using the following equations:

$3.555556 \times$ [raw] + 114 for A+B
$6.444444 \times$ [raw] + 114 for A
$8.222222 \times$ [raw] + 112 for B

Based on the existing data (real scores vs predicted ones), this norming seems like a good indicator of the true level of this test. To construct the norm, the aforementioned data was combined with certain probabilistic calculations and then put into a linear regression equation for norming the entire range.

4. Form A

Problem A-1

1 : 9 :: 3 : 5 :: 4 : ?X

Hint: Something to do with the alphabet. This problem has a bit of spatiality involved.

Problem A-2

1/7 : 3, 6, 9 :: п : ?X

Hint: A decimal interpretation is your first step. Na?

Problem A-3

16, 14, 12, 10, 18, 64, ??

Hint: Like making > to a <, or " to a ".

Problem A-4

1428, 1362, 6142, 8526, 5211, 0422, ????

Hint: Flip!

Problem A-5

1, 0.8793416, 0.7672135, 0.663300, 0.5672983, 0.4785533, ?????????

Hint: Roots and powers, sliced in two...

Problem A-6

1, 8, 6, 32, 25, ??

Problem A-7

1, 256, 6561, 65536, 390625, ???????

Problem A-8

4, 49, 1, 64, 4, 64, 1, 64, ?

Hint: -mail, numbr, high rang tst (digits squared)

Problem A-9

5, 225, 455625, ?????????????

5. Form B

Problem B-1

100, 100, 99, 98, 96, 93, 88, 5, 3, 2, 1, 1, ?X

Problem B-2

-4 1 6 11, 4 3 2 1, 8 6 4 2, ⅚ 1 2 8 44, ?X

Problem B-3

16, 212, 424, 848, 16816, ????????

Problem B-4

1, 3, 6, 1, 1, 4, 8, 1, 0, 5, 3, 9, 3, 2, 9, 6, 9, ?

Hint: rembue rehto yrevn

Problem B-5

7/4 : √3 :: 22/7 :: ?

Hint: A historical approximation.

Problem B-6

1, 2, 5, 26, 677, ?X

Problem B-7

30 : 4, 6, 9, 11 :: 28.24 : ?X

Hint: Something to do with months.

Problem B-8

122, 464, 16188, 645416, ????????

Problem B-9

8, 6, 2, 4, 8, ?

Hint: One, two, four, eight, sixteen,...

DEAD END