

## The Numerix High Range IQ Test by Dr Jason Betts

See the Score and Norming Data File at [www.psiq.org/lux](http://www.psiq.org/lux) for the submission instructions and guidelines. The use of the internet and all reference materials is recommended to research all terms not fully understood.

1. 1, 5, 8, 10, 13, 14, ?, ?.
2. 1, 9, 31, 73, 141, 241, 379, ?, ?.
3. 0, 3, 8, 1, 3, 6, 12, 10, ?, ?.
4. What is the chance of any blackjack (A and K/Q/J/10) after shuffling a single deck if these hands (A, 10), (8, 7, 4), (3, J, 9), (10, Q), (Q, K), (5, 5, 6, J), (A, 2, 3, 4, 5, 6) have already been dealt?
5. What is D if  $A=5$ ,  $B=7$  and  $C=9$  and all  $A \in C$ , some  $B \in A$ , some  $B \notin C$ , all  $D \in B$  and all  $D \in C$  ?
6. If you think you've got something and you have not, how many things have you got and not got?
7. What is one's two of two's one times two's two of one's two over two's one of two plus one of two?
8. How far away and in what direction from your starting position is 29 miles North and 12 miles West?
9. How many times a day will an upside-down AM/PM digital clock tell the right time, ignoring dots?
10. How many folds are required to make a triangle with its longest length one-quarter that of a square?
11. How many 1 cm spherical marbles can fit into a cylindrical jar with a 5 cm diameter and 8 cm height?
12. How many ways are there of crossing the oceans from one continent to another on a map of the Earth?
13. How many 5 minute 5 instrument pieces of music exist with notes lasting 1 sec on the chromatic scale?
14. How many days for a complete cycle for both the ancient Mayan and Greek years of 260 and 360 days?
15. How many 3 x 1 x 1 sized bricks can fit into a 3 wide wall around a 10 x 10 square yard that is 15 high?
16. How much money do you start with if you share one-seventh of the full amount with a friend, and again share one-seventh of the remainder with other friends, for a total of seven friends, if you finish with \$11?