

Gender, Age, and Cognitive Ability: Word Search Puzzles

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ABSTRACT It is proven that girls mature faster than boys. By the age of twelve they begin to develop all the parts needed for adult hood body functions. Therefore, when it comes to solving the puzzles girls have a dominant hand over guys. The distance of variations depends on the age. Testing alternate age groups will assist this project by showing the disparity in the outcome of the age assemblage. What sex (male, female) is more likely to solve word search puzzle quicker? What was used to test this hypothesis were six people at fourteen years of age, as to avoid age variation. Also there will be an equal amount of male and female given the same word search puzzle for 7 minutes. Within the teen years there was not much of an accurate statistical difference between males and females. Average Score: Boys: 12.9 Girls: 14.4 Standard Deviation: Boys: 3.6 Girls: 4.25 This does not show a significant amount of difference. Once a person has passed puberty the human mind functions similarly in each gender.

KEYWORDS: Behavioral Science, Psychology, and Etymology

INTRODUCTION

It is known based on the works of [2] Lindley H. Ernes (A Study of Puzzles with Special References to the Psychology of Mental Adaptation.¹Enigmatology), that girls mature faster than boys. By the age of twelve they begin to develop all their necessary parts needed for adult hood body functions. Therefore, when it comes to solving the puzzles girls have a dominant hand over guys. The distance of variations depends on the age. Testing alternate age groups will assist this project by showing the disparity in the outcome of the age assemblage.

METHODS

Thirteen boys and thirteen girls fourteen years of age were (Figure 1) given the same word search puzzle. The students were given seven minutes to complete the puzzle to the best of their ability. Each word search puzzle consisted of 25 words. Selected, so the task would be challenging to complete within the allotted time. Scores are the # words.



Figure1. The Word search Puzzle used for testing Gender, Age and Cognitive Ability.

RESULTS

The average score for boys is 12.9 (standard deviation 3.6) and girls 14.4 (standard deviation 4.25) as illustrated in Figure 2.

DISCUSSION

There's not much of a significant difference in the average score of males and females. Also, the difference in the standard deviation is slightly over 1.5

CONCLUSION

From this, once a person has passed puberty the human mind of both genders may function similarly.

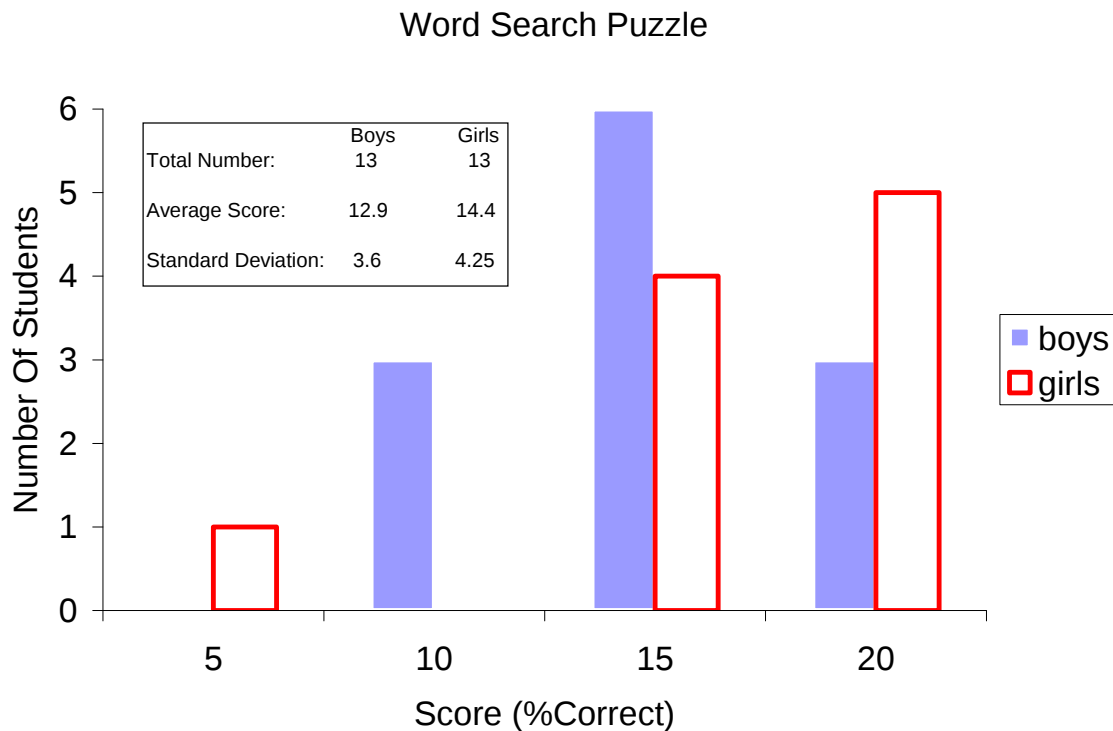


Figure 2: Illustrates the results. Each word search puzzle consisted of twenty five words. Twenty six students were tested. The average score for boys is 12.9(standard deviation 3.6) and girls 14.4 (standard deviation) 4.25 as illustrated above.

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