

Educational Psychology
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Review for Test 3

1. On most IQ tests, the mean is _____ and the standard deviation is _____.
2. Only 2% of the population obtains an IQ score above _____.
3. 84% of the population scores below an IQ score of _____.
4. Only 2% of the population scores an IQ score below _____.
5. a) What percentage of the population scores above an IQ of 115??
b) What percentage of the population scores below an IQ of 115??
6. A student obtains an IQ score at the 2nd %tile – what is his/her score??
7. Mike scores 1 standard deviation below the mean on an achievement test. What is his %tile score??
8. 10,000 people take an IQ test (mean = 100; s.d. = 15). How many individuals would we expect to obtain an IQ score:
 - a) between 85 and 115??
 - b) below 85? – above 85?
 - c) below 70? – above 70?
 - d) below 115? – above 115?
 - e) below 130? – above 130?
9. Billy takes an achievement test. The mean is 200 and the standard deviation is 50. If Billy scores higher than 16% of others his age, what is his standard score?

10. Joey scores 2 s. d. below the mean on an achievement test, what is his %tile score?
11. Marcus scores 2 s. d. above the mean on an achievement test, what is his %tile score?
12. Joe scores 1 s. d. below the mean on an achievement test, what is his %tile score?
13. Andrew scores 1 s. d. above the mean on an achievement test, what is his %tile score?
14. Robert takes an achievement test (mean = 500; s.d. = 100). If he scores 1 s.d. below the mean, what is his score and what is his %tile score?
15. What is the mean of this group of numbers?
4, 8, 2, 1, 5
16. What is the median of this group of numbers?
4, 8, 2, 1, 5,
17. What is the median of this group of numbers?
3, 1, 7, 10, 4, 4
18. The old formula for IQ is: _____??
19. Cedric is 10 years old and obtained a mental age of 9 years on an old IQ test. What is his IQ according to the old formula for IQ??
20. Joe is 6 years old and obtained a mental age of 9 years on an old IQ test. What is his IQ according to the old formula for IQ??

Answers:

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| 1. mean = 100; s. d. = 15 | 11. 98 th |
| 2. 130 | 12. 16 th |
| 3. 115 | 13. 84 th |
| 4. 70 | 14. 400 & 16 th |
| 5. a) 16% b) 84% | 15. 4 |
| 6. 70 | 16. 4 |
| 7. 16 th | 17. 4 |
| 8. a) 6800 b) 1600 & 8400 c) 200 & 9800 d) 8400 & 1600 e) 9800 & 200 | 18. $MA/CA \times 100$ |
| 9. 150 | 19. 90 |
| 10. 2 nd | 20. 150 |