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## What does the stanine score mean

**What does a stanine score of 9 mean.**

**What is a good stanine score. What is a stanine score. What does a stanine score of 5 mean. What is a stanine level.**

Stanine	1	2	3	4	5	6	7	8	9
Percentile Rank	1-3	4-10	11-22	23-38	40-58	60-76	77-88	89-95	96-99

It is important to know the different ways different tools measure student achievement, and what that might mean for your analysis. A percentage is the number out of every hundred with a particular attribute. For example, if 120 of 150 candidates pass an assessment, the percentage pass rate is 80% (80 out of every hundred). PercentileA percentile is a position in a rank ordering expressed as the percentage who are lower in the rank order. For example, a student at the 70th percentile performed better than 70% of other candidates. StanineStanine(STANDARD NINE) is a method of scaling test scores on a nine-point standard scale with a mean of five (5) and a standard deviation of two (2).Test scores are scaled to stanine scores using the following algorithm: Rank results from lowest to highest Give the lowest 4% a stanine of 1, the next 7% a stanine of 2, etc., according to the following table: Calculating Stanines Result Ranking 4% 7% 12% 17% 20% 17% 12% 7% 4% Stanine 1 2 3 4 5 6 7 8 9 The underlying basis for obtaining stanines is that a normal distribution is divided into nine intervals, each of which has a width of 0.5 standard deviations excluding the first and last. The mean lies at the centre of the fifth interval.Stanines can be used to convert any test score into a single-digit number. However, because all stanines are whole numbers, two scores in a single stanine are sometimes further apart than two scores in adjacent stanines. For example, students with scores represented at the top of stanine four are closer to those students at the bottom of stanine five than those at the bottom of stanine four, but both are represented as just stanine four. This reduces their value. The following interactive illustration shows how different test scores for students can be compared in terms of percentiles and stanines. Click on the buttons for the five different students to see how their marks compare to the rest of the class.

Show info for: Student A - 33 marks (66%) Student B - 29 marks (58%) Student C - 17 marks (34%) Student D - 45 marks (90%) Student E - 31 marks (62%) This test was marked out of 50. The mean is % and the standard deviation is %. This score is 2/50 (4%) and it is in the 4th percentile. This means that the student performed better than 4% of the other students. This student is in the 4th stanine. Return to top Articles in this section: National Percentile Rank (NPR) Method of scaling test scores Not to be confused with Stanene. Stanine (STANDARD NINE) is a method of scaling test scores on a nine-point standard scale with a mean of five and a standard deviation of two.

Some web sources attribute stanines to the U.S. Army Air Forces during World War II. Psychometric legend has it that a 1-9 scale was used because of the compactness of recording the score as a single digit but Thorndike[1] claims that by reducing scores to just nine values, stanines "reduce the tendency to try to interpret small score differences (p. 131)". The earliest known use of stanines was by the U.S. Army Air Forces in 1943.[citation needed] Calculation Test scores are scaled to stanine scores using the following algorithm: Rank results from lowest to highest Give the lowest 4% a stanine of 1, the next 7% a stanine of 2, etc., according to the following table: Calculating Stanines Bracketedproportion 4% 7% 12% 17% 20% 17% 12% 7% 4% Stanine 1 2 3 4 5 6 7 8 9 Standardizedscore below -1.75 -1.75 to -1.25 -1.25 to -0.75 -0.75 to -0.25 -0.25 to +0.25 +0.25 to +0.75 +0.75 to +1.25 +1.25 to +1.75 above +1.75 Wechsler'sscale score below 74 74 to 81 81 to 89 89 to 96 96 to 104 104 to 111 111 to 119 119 to 126 above

126 The underlying basis for obtaining stanines is that a normal distribution is divided into nine intervals, each of which has a width of 0.5 standard deviations excluding the first and last, which are just the remainder (the tails of the distribution). The mean lies at the centre of the fifth interval. Use today Today stanines are mostly used in educational assessment.[citation needed] The University of Alberta in Edmonton, Alberta, Canada used the stanine system until 2003, when it switched to a 4-point scale.[2] In the United States, the Educational Records Bureau (they administer the "ERBs") reports test scores as stanines and percentiles. The New Zealand Council for Educational Research uses stanines.[3] GL Assessment use stanines alongside SAS (Standardised Age Scores) to express the results of its CAT4 assessments, used in many UK and British international schools [4] The Otis-Lennon School Ability Test uses a stanine system along with percentiles. Average Korean High School uses stanine system to evaluate their students The IDF (Israeli Defense Force) uses the stanine grading system ranging from 10 to 90 (10,20,30 and so on) to rank intelligence ability relevant to the army's use, determined by a 100 question test divided to 4 categories having to do with different uses and implications of cognitive abilities The Polish Matura secondary-school exam results and university admissions utilise the stanine system See also Sten scores - a similar system, but with 10 possible values Normal score Notes ^ Thorndike, R. L. (1982). Applied Psychometrics. Boston, MA: Houghton Mifflin ^ "Grade Comparison Guide". Archived from the original on 2006-12-12. Retrieved 2007-01-04. ^ "Understanding Stanines", nzcersupport.org.nz. ^ "GL Assessment" References Ballew, Pat Origins of some arithmetic terms-2 Archived 2016-06-05 at the Wayback Machine.

### Stanine

- Stanine is short for standard nine. The name comes from the fact that stanine scores range from a low of 1 to a high of 9. For instance, a stanine score of
  - 1, 2, or 3 is below average
  - 4, 5, or 6 is average
  - 7, 8, or 9 is above average
- The stanine scale is a normalized standard score scale consisting of nine broad levels, designated by the numbers one through nine.
  - Stanines are provided for both age and grade groups.

Retrieved Dec. 26, 2004. Boydsten, Robert E. (February 27, 2000). Winning My Wings Volume Six MEN AND PLANES THE ARMY AIR FORCES In World War II PREPARED UNDER THE EDITORSHIP OF WESLEY FRANK CRAVEN JAMES LEA GATE Princeton University University of Chicago Here is a link to the document: Archived 2016-11-23 at the Wayback Machine Retrieved from "