**Score Conversion Tables for Commonly Used Tests**

**All Wechsler Scales, all Woodcock tests,1 all Kaufman Tests, Most Tests Published by American Guidance Service, Pro-Ed,2 Riverside, the Psychological Corporation, and Many Others**

Z-scores (z), Percentile Ranks (PR), Standard Scores (SS) (Mean = 100, s.d. = 15),  Scaled Scores (ss) (Mean = 10, s.d. = 3), and Stanines (9)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Z | PR | SS | ss | 9 |  | z | PR | SS | ss | 9 |  | z | PR | SS | ss | 9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | +4.00 | 99.9 | 160 |  |  |  | +1.33 | 91 | 120 | 14 | **8** |  | -1.40 | 08 | 79 |  |  |
|  | +3.93 | 99.9 | 159 |  |  |  | +1.27 | 90 | 119 |  |  |  | -1.47 | 07 | 78 |  |  |
|  | +3.87 | 99.9 | 158 |  |  |  | +1.20 | 88 | 118 |  |  |  | -1.53 | 06 | 77 |  | **2** |
|  | +3.80 | 99.9 | 157 |  |  |  | +1.13 | 87 | 117 |  |  |  | -1.60 | 05 | 76 |  |  |
|  | +3.73 | 99.9 | 156 |  |  |  | +1.07 | 86 | 116 |  |  |  | -1.67 | 05 | 75 | 5 |  |
|  | +3.67 | 99.9 | 155 |  |  |  | +1.00 | 84 | 115 | 13 | **7** |  | -1.73 | 04 | 74 |  |  |
|  | +3.60 | 99.9 | 154 |  |  |  | +0.93 | 82 | 114 |  |  |  | -1.80 | 04 | 73 |  |  |
|  | +3.53 | 99.9 | 153 |  |  |  | +0.87 | 81 | 113 |  |  |  | -1.87 | 03 | 72 |  |  |
|  | +3.47 | 99.9 | 152 |  |  |  | +0.80 | 79 | 112 |  |  |  | -1.93 | 03 | 71 |  |  |
|  | +3.40 | 99.9 | 151 |  |  |  | +0.73 | 77 | 111 |  |  |  | -2.00 | 02 | 70 | 4 |  |
|  | +3.33 | 99.9 | 150 |  |  |  | +0.67 | 75 | 110 | 12 |  |  | -2.07 | 02 | 69 |  |  |
|  | +3.27 | 99.9 | 149 |  |  |  | +0.60 | 73 | 109 |  |  |  | -2.13 | 02 | 68 |  |  |
|  | +3.20 | 99.9 | 148 |  |  |  | +0.53 | 70 | 108 |  | **6** |  | -2.20 | 01 | 67 |  |  |
|  | +3.13 | 99.9 | 147 |  |  |  | +0.47 | 68 | 107 |  |  |  | -2.27 | 01 | 66 |  |  |
|  | +3.07 | 99.9 | 146 |  |  |  | +0.40 | 66 | 106 |  |  |  | -2.33 | 01 | 65 | 3 |  |
|  | +3.00 | 99.9 | 145 | 19 |  |  | +0.33 | 63 | 105 | 11 |  |  | -2.40 | 01 | 64 |  |  |
|  | +2.93 | 99.8 | 144 |  |  |  | +0.27 | 61 | 104 |  |  |  | -2.47 | 01 | 63 |  |  |
|  | +2.87 | 99.8 | 143 |  |  |  | +0.20 | 58 | 103 |  |  |  | -2.53 | 01 | 62 |  |  |
|  | +2.80 | 99.7 | 142 |  | **9** |  | +0.13 | 55 | 102 |  |  |  | -2.60 | 0.5 | 61 |  | **1** |
|  | +2.73 | 99.7 | 141 |  |  |  | +0.07 | 53 | 101 |  |  |  | -2.67 | 0.4 | 60 | 2 |  |
|  | +2.67 | 99.6 | 140 | 18 |  |  | 0.00 | 50 | 100 | 10 | **5** |  | -2.73 | 0.3 | 59 |  |  |
|  | +2.60 | 99.5 | 139 |  |  |  | -0.07 | 47 | 99 |  |  |  | -2.80 | 0.3 | 58 |  |  |
|  | +2.53 | 99 | 138 |  |  |  | -0.13 | 45 | 98 |  |  |  | -2.87 | 0.2 | 57 |  |  |
|  | +2.47 | 99 | 137 |  |  |  | -0.20 | 42 | 97 |  |  |  | -2.93 | 0.2 | 56 |  |  |
|  | +2.40 | 99 | 136 |  |  |  | -0.27 | 39 | 96 |  |  |  | -3.00 | 0.1 | 55 | 1 |  |
|  | +2.33 | 99 | 135 | 17 |  |  | -0.33 | 37 | 95 | 9 |  |  | -3.07 | 0.1 | 54 |  |  |
|  | +2.27 | 99 | 134 |  |  |  | -0.40 | 34 | 94 |  |  |  | -3.13 | 0.1 | 53 |  |  |
|  | +2.20 | 99 | 133 |  |  |  | -0.47 | 32 | 93 |  | **4** |  | -3.20 | 0.1 | 52 |  |  |
|  | +2.13 | 98 | 132 |  |  |  | -0.53 | 30 | 92 |  |  |  | -3.27 | 0.1 | 51 |  |  |
|  | +2.07 | 98 | 131 |  |  |  | -0.60 | 27 | 91 |  |  |  | -3.33 | 0.1 | 50 |  |  |
|  | +2.00 | 98 | 130 | 16 |  |  | -0.67 | 25 | 90 | 8 |  |  | -3.40 | 0.1 | 49 |  |  |
|  | +1.93 | 97 | 129 |  |  |  | -0.73 | 23 | 89 |  |  |  | -3.47 | 0.1 | 48 |  |  |
|  | +1.87 | 97 | 128 |  |  |  | -0.80 | 21 | 88 |  |  |  | -3.53 | 0.1 | 47 |  |  |
|  | +1.80 | 96 | 127 |  |  |  | -0.87 | 19 | 87 |  |  |  | 3.60 | 0.1 | 46 |  |  |
|  | +1.73 | 96 | 126 |  |  |  | -0.93 | 18 | 86 |  |  |  | -3.67 | 0.1 | 45 |  |  |
|  | +1.67 | 95 | 125 | 15 |  |  | -1.00 | 16 | 85 | 7 | **3** |  | -3.73 | 0.1 | 44 |  |  |
|  | +1.60 | 95 | 124 |  |  |  | -1.07 | 14 | 84 |  |  |  | -3.80 | 0.1 | 43 |  |  |
|  | +1.53 | 94 | 123 |  | **8** |  | -1.13 | 13 | 83 |  |  |  | -3.87 | 0.1 | 42 |  |  |
|  | +1.47 | 93 | 122 |  |  |  | -1.20 | 12 | 82 |  |  |  | -3.93 | 0.1 | 41 |  |  |
|  | +1.40 | 92 | 121 |  |  |  | -1.27 | 10 | 81 |  |  |  | -4.00 | 0.1 | 40 |  |  |
|  |  |  |  |  |  |  | -1.33 | 09 | 80 | 6 | **2** |  |  |  |  |  |  |

                1.  Tests of which Dr. Woodcock is author or co-author separately compute Standard Scores and Percentile Ranks, so these will not be the precise relationships between Standard Scores and Percentile Ranks.

                2.  Tests published by Pro-Ed call these Standard Scores “quotients,” and these Scaled Scores “Standard Scores”  (which they are, although that is not the common usage).

**Differential Ability Scales and Other Tests Using T scores1**

 Z-scores (z), Percentile Ranks (PR), Standard Scores (General Conceptual Ability -- GCA) (mean = 100, s.d. = 15), T Scores (T) (mean = 50, s.d. = 10), and Stanines (9)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | z | PR | GCA | T | 9 |  | z | PR | GCA | T | 9 |  | z | PR | GCA | T | 9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36 |  |
|  | +4.00 | 99.9 | 160 | 90 |  |  | +1.33 | 91 | 120 |  | **8** |  | -1.40 | 08 | 79 | 36 |  |
|  | +3.93 | 99.9 | 159 |  |  |  | +1.27 | 90 | 119 |  |  |  | -1.47 | 07 | 78 |  |  |
|  | +3.87 | 99.9 | 158 |  |  |  | +1.20 | 88 | 118 | 62 |  |  | -1.53 | 06 | 77 |  | **2** |
|  | +3.80 | 99.9 | 157 | 88 |  |  | +1.13 | 87 | 117 |  |  |  | -1.60 | 05 | 76 | 34 |  |
|  | +3.73 | 99.9 | 156 |  |  |  | +1.07 | 86 | 116 |  |  |  | -1.67 | 05 | 75 |  |  |
|  | +3.67 | 99.9 | 155 |  |  |  | +1.00 | 84 | 115 | 60 | **7** |  | -1.73 | 04 | 74 |  |  |
|  | +3.60 | 99.9 | 154 | 86 |  |  | +0.93 | 82 | 114 |  |  |  | -1.80 | 04 | 73 | 32 |  |
|  | +3.53 | 99.9 | 153 |  |  |  | +0.87 | 81 | 113 |  |  |  | -1.87 | 03 | 72 |  |  |
|  | +3.47 | 99.9 | 152 |  |  |  | +0.80 | 79 | 112 | 58 |  |  | -1.93 | 03 | 71 |  |  |
|  | +3.40 | 99.9 | 151 | 84 |  |  | +0.73 | 77 | 111 |  |  |  | -2.00 | 02 | 70 | 30 |  |
|  | +3.33 | 99.9 | 150 |  |  |  | +0.67 | 75 | 110 |  |  |  | -2.07 | 02 | 69 |  |  |
|  | +3.27 | 99.9 | 149 |  |  |  | +0.60 | 73 | 109 | 56 |  |  | -2.13 | 02 | 68 |  |  |
|  | +3.20 | 99.9 | 148 | 82 |  |  | +0.53 | 70 | 108 |  | **6** |  | -2.20 | 01 | 67 | 28 |  |
|  | +3.13 | 99.9 | 147 |  |  |  | +0.47 | 68 | 107 |  |  |  | -2.27 | 01 | 66 |  |  |
|  | +3.07 | 99.9 | 146 |  |  |  | +0.40 | 66 | 106 | 54 |  |  | -2.33 | 01 | 65 |  |  |
|  | +3.00 | 99.9 | 145 | 80 |  |  | +0.33 | 63 | 105 |  |  |  | -2.40 | 01 | 64 | 26 |  |
|  | +2.93 | 99.8 | 144 |  |  |  | +0.27 | 61 | 104 |  |  |  | -2.47 | 01 | 63 |  |  |
|  | +2.87 | 99.8 | 143 |  |  |  | +0.20 | 58 | 103 | 52 |  |  | -2.53 | 01 | 62 |  |  |
|  | +2.80 | 99.7 | 142 | 78 | **9** |  | +0.13 | 55 | 102 |  |  |  | -2.60 | 0.5 | 61 | 24 | **1** |
|  | +2.73 | 99.7 | 141 |  |  |  | +0.07 | 53 | 101 |  |  |  | -2.67 | 0.4 | 60 |  |  |
|  | +2.67 | 99.6 | 140 |  |  |  | 0.00 | 50 | 100 | 50 | **5** |  | -2.73 | 0.3 | 59 |  |  |
|  | +2.60 | 99.5 | 139 | 76 |  |  | -0.07 | 47 | 99 |  |  |  | -2.80 | 0.3 | 58 | 22 |  |
|  | +2.53 | 99 | 138 |  |  |  | -0.13 | 45 | 98 |  |  |  | -2.87 | 0.2 | 57 |  |  |
|  | +2.47 | 99 | 137 |  |  |  | -0.20 | 42 | 97 | 48 |  |  | -2.93 | 0.2 | 56 |  |  |
|  | +2.40 | 99 | 136 | 74 |  |  | -0.27 | 39 | 96 |  |  |  | -3.00 | 0.1 | 55 | 20 |  |
|  | +2.33 | 99 | 135 |  |  |  | -0.33 | 37 | 95 |  |  |  | -3.07 | 0.1 | 54 |  |  |
|  | +2.27 | 99 | 134 |  |  |  | -0.40 | 34 | 94 | 46 |  |  | -3.13 | 0.1 | 53 |  |  |
|  | +2.20 | 99 | 133 | 72 |  |  | -0.47 | 32 | 93 |  | **4** |  | -3.20 | 0.1 | 52 | 18 |  |
|  | +2.13 | 98 | 132 |  |  |  | -0.53 | 30 | 92 |  |  |  | -3.27 | 0.1 | 51 |  |  |
|  | +2.07 | 98 | 131 |  |  |  | -0.60 | 27 | 91 | 44 |  |  | -3.33 | 0.1 | 50 |  |  |
|  | +2.00 | 98 | 130 | 70 |  |  | -0.67 | 25 | 90 |  |  |  | -3.40 | 0.1 | 49 | 16 |  |
|  | +1.93 | 97 | 129 |  |  |  | -0.73 | 23 | 89 |  |  |  | -3.47 | 0.1 | 48 |  |  |
|  | +1.87 | 97 | 128 |  |  |  | -0.80 | 21 | 88 | 42 |  |  | -3.53 | 0.1 | 47 |  |  |
|  | +1.80 | 96 | 127 | 68 |  |  | -0.87 | 19 | 87 |  |  |  | 3.60 | 0.1 | 46 | 14 |  |
|  | +1.73 | 96 | 126 |  |  |  | -0.93 | 18 | 86 |  |  |  | -3.67 | 0.1 | 45 |  |  |
|  | +1.67 | 95 | 125 |  |  |  | -1.00 | 16 | 85 | 40 | **3** |  | -3.73 | 0.1 | 44 |  |  |
|  | +1.60 | 95 | 124 | 66 |  |  | -1.07 | 14 | 84 |  |  |  | -3.80 | 0.1 | 43 | 12 |  |
|  | +1.53 | 94 | 123 |  | **8** |  | -1.13 | 13 | 83 |  |  |  | -3.87 | 0.1 | 42 |  |  |
|  | +1.47 | 93 | 122 |  |  |  | -1.20 | 12 | 82 | 38 |  |  | -3.93 | 0.1 | 41 |  |  |
|  | +1.40 | 92 | 121 | 64 |  |  | -1.27 | 10 | 81 |  |  |  | -4.00 | 0.1 | 40 | 10 |  |
|  |  |  |  |  |  |  | -1.33 | 09 | 80 |  | **2** |  |  |  |  |  |  |

1.  Odd-numbered T scores fall between Standard Scores.  For instance, a T score of 49 is equivalent to a z-score of   -0.10, and a standard score of 98.5

**Stanford-Binet Intelligence Scale, 4th ed. and Other Tests Using Standard Scores with a Mean of 100 and SD 16**

Z-scores (z), Percentile Ranks (PR), Composite and Area Standard Scores (SAS[[1]](http://alpha.fdu.edu/psychology/score_conversion_tables.htm" \l "_ftn1" \o ")) (Mean = 100 s.d. = 16), Subtest Standard Scores (sas) (Mean = 50, s.d. = 8), and Stanines (9)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Z | PR | SAS | sas | 9 |  | z | PR | SAS | sas | 9 |  | z | PR | SAS | sas | 9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | +4.00 | 99.9 | 164 | 82 |  |  | +1.31 | 91 | 121 | 61 | **8** |  | -1.38 | 08 | 78 | 39 |  |
|  | +3.94 | 99.9 | 163 | 82 |  |  | +1.25 | 89 | 120 | 60 |  |  | -1.44 | 08 | 77 | 39 | **2** |
|  | +3.88 | 99.9 | 162 | 81 |  |  | +1.19 | 88 | 119 | 60 |  |  | -1.50 | 07 | 76 | 38 |  |
|  | +3.81 | 99.9 | 161 | 81 |  |  | +1.13 | 87 | 118 | 59 |  |  | -1.56 | 06 | 75 | 38 |  |
|  | +3.75 | 99.9 | 160 | 80 |  |  | +1.06 | 86 | 117 | 59 |  |  | -1.63 | 05 | 74 | 37 |  |
|  | +3.69 | 99.9 | 159 | 80 |  |  | +1.00 | 84 | 116 | 58 | **7** |  | -1.69 | 05 | 73 | 37 |  |
|  | +3.63 | 99.9 | 158 | 79 |  |  | +0.94 | 83 | 115 | 58 |  |  | -1.75 | 04 | 72 | 36 |  |
|  | +3.56 | 99.9 | 157 | 79 |  |  | +0.88 | 81 | 114 | 57 |  |  | -1.81 | 04 | 71 | 36 |  |
|  | +3.50 | 99.9 | 156 | 78 |  |  | +0.81 | 79 | 113 | 57 |  |  | -1.88 | 03 | 70 | 35 |  |
|  | +3.44 | 99.9 | 155 | 78 |  |  | +0.75 | 77 | 112 | 56 |  |  | -1.94 | 03 | 69 | 35 |  |
|  | +3.38 | 99.9 | 154 | 77 |  |  | +0.69 | 75 | 111 | 56 |  |  | -2.00 | 02 | 68 | 34 |  |
|  | +3.31 | 99.9 | 153 | 77 |  |  | +0.63 | 73 | 110 | 55 |  |  | -2.06 | 02 | 67 | 34 |  |
|  | +3.25 | 99.9 | 152 | 76 |  |  | +0.56 | 71 | 109 | 55 |  |  | -2.13 | 02 | 66 | 33 |  |
|  | +3.19 | 99.9 | 151 | 76 |  |  | +0.50 | 69 | 108 | 54 | **6** |  | -2.19 | 01 | 65 | 33 |  |
|  | +3.13 | 99.9 | 150 | 75 |  |  | +0.44 | 67 | 107 | 54 |  |  | -2.25 | 01 | 64 | 32 |  |
|  | +3.06 | 99.9 | 149 | 75 | **9** |  | +0.38 | 65 | 106 | 53 |  |  | -2.31 | 01 | 63 | 32 |  |
|  | +3.00 | 99.9 | 148 | 74 |  |  | +0.31 | 62 | 105 | 53 |  |  | -2.38 | 01 | 62 | 31 |  |
|  | +2.94 | 99.8 | 147 | 74 |  |  | +0.25 | 60 | 104 | 52 |  |  | -2.44 | 01 | 61 | 31 |  |
|  | +2.88 | 99.8 | 146 | 73 |  |  | +0.19 | 57 | 103 | 52 |  |  | -2.50 | 01 | 60 | 30 |  |
|  | +2.81 | 99.8 | 145 | 73 |  |  | +0.13 | 55 | 102 | 51 |  |  | -2.53 | 01 | 59 | 30 |  |
|  | +2.75 | 99.7 | 144 | 72 |  |  | +0.06 | 52 | 101 | 51 |  |  | -2.63 | 0.4 | 58 | 29 |  |
|  | +2.69 | 99.6 | 143 | 72 |  |  | 0.00 | 50 | 100 | 50 | **5** |  | -2.69 | 0.4 | 57 | 29 |  |
|  | +2.63 | 99.6 | 142 | 71 |  |  | -0.06 | 48 | 99 | 50 |  |  | -2.75 | 0.3 | 56 | 28 |  |
|  | +2.56 | 99 | 141 | 71 |  |  | -0.13 | 45 | 98 | 49 |  |  | -2.81 | 0.3 | 55 | 28 | **1** |
|  | +2.50 | 99 | 140 | 70 |  |  | -0.19 | 43 | 97 | 49 |  |  | -2.88 | 0.2 | 54 | 27 |  |
|  | +2.44 | 99 | 139 | 70 |  |  | -0.25 | 40 | 96 | 48 |  |  | -2.94 | 0.2 | 53 | 27 |  |
|  | +2.38 | 99 | 138 | 69 |  |  | -0.31 | 38 | 95 | 48 |  |  | -3.00 | 0.1 | 52 | 26 |  |
|  | +2.31 | 99 | 137 | 69 |  |  | -0.38 | 35 | 94 | 47 |  |  | -3.06 | 0.1 | 51 | 26 |  |
|  | +2.25 | 99 | 136 | 68 |  |  | -0.44 | 33 | 93 | 47 | **4** |  | -3.13 | 0.1 | 50 | 25 |  |
|  | +2.19 | 99 | 135 | 68 |  |  | -0.50 | 31 | 92 | 46 |  |  | -3.19 | 0.1 | 49 | 25 |  |
|  | +2.13 | 98 | 134 | 67 |  |  | -0.56 | 29 | 91 | 46 |  |  | -3.25 | 0.1 | 48 | 24 |  |
|  | +2.06 | 98 | 133 | 67 |  |  | -0.63 | 27 | 90 | 45 |  |  | -3.31 | 0.1 | 47 | 24 |  |
|  | +2.00 | 98 | 132 | 66 |  |  | -0.69 | 25 | 89 | 45 |  |  | -3.38 | 0.1 | 46 | 23 |  |
|  | +1.94 | 97 | 131 | 66 |  |  | -0.75 | 23 | 88 | 44 |  |  | -3.44 | 0.1 | 45 | 23 |  |
|  | +1.88 | 97 | 130 | 65 |  |  | -0.81 | 21 | 87 | 44 |  |  | -3.50 | 0.1 | 44 | 22 |  |
|  | +1.81 | 96 | 129 | 65 |  |  | -0.88 | 19 | 86 | 43 |  |  | -3.56 | 0.1 | 43 | 22 |  |
|  | +1.75 | 96 | 128 | 64 |  |  | -0.94 | 17 | 85 | 43 | **3** |  | -3.63 | 0.1 | 42 | 21 |  |
|  | +1.69 | 95 | 127 | 64 |  |  | -1.00 | 16 | 84 | 42 |  |  | -3.69 | 0.1 | 41 | 21 |  |
|  | +1.63 | 95 | 126 | 63 |  |  | -1.06 | 14 | 83 | 42 |  |  | -3.75 | 0.1 | 40 | 20 |  |
|  | +1.56 | 94 | 125 | 63 |  |  | -1.13 | 13 | 82 | 41 |  |  | -3.81 | 0.4 | 39 | 20 |  |
|  | +1.50 | 93 | 124 | 62 | **8** |  | -1.19 | 12 | 81 | 41 |  |  | -3.88 | 0.1 | 38 | 19 |  |
|  | +1.44 | 92 | 123 | 62 |  |  | -1.25 | 11 | 80 | 40 |  |  | -3.94 | 0.1 | 37 | 19 |  |
|  | +1.38 | 92 | 122 | 61 |  |  | -1.31 | 09 | 79 | 40 | **2** |  | -4.00 | 0.1 | 36 | 18 |  |

[[1]](http://alpha.fdu.edu/psychology/score_conversion_tables.htm" \l "_ftnref1" \o ") Despite having different means and standard deviations, the Stanford-Binet Intelligence Scale, 4th ed. uses the same term - Standard Age Scores - to refer to the scores obtained on both the individual tests and the area composite scores.  We use capitalized “SAS” to refer to the area composite score and the lower case “sas” to refer to the individual test score.

See also [**Mather, N., & Jaffe, L. E. (in press) Score Equivalents and Classification Labels**](http://alpha.fdu.edu/psychology/mather_jaffe_conversion.htm)