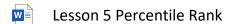
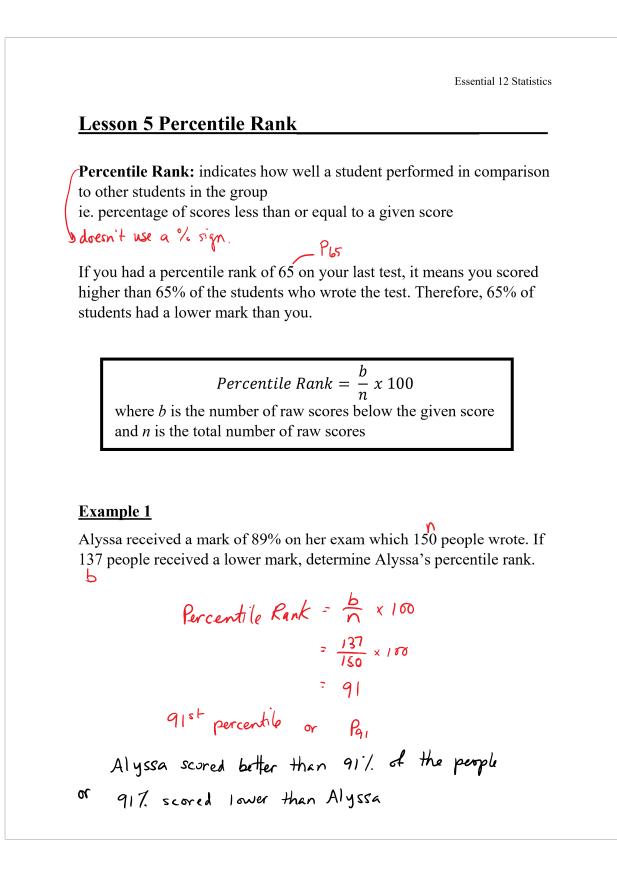
Lesson 5 Percentile Rank

Thursday, October 27, 2022 2:33 PM





Essential 12 Statistics

Example 2

28+ Marc = 29

Marc received a mark of 72% on his test which 28 other people also wrote. If 18 people received a lower mark, determine Marc's percentile rank.

Percentile Rank :
$$\frac{18}{29} \times 100$$

= 62^{nd}

Example 3

The given scores are from a diving competition.

 $\begin{array}{c} \underline{7.8}, 9.2, \underline{4.7}, 9.1, 8.2, \underline{7.5}, \underline{6.7}, 8.1, 9.6, \underline{5.6}, \\ \underline{7.1}, 8.1, \underline{6.4}, 9.0, \underline{7.7}, 8.2, \underline{5.8}, \underline{6.1}, 8.0, \underline{7.3} \end{array} \right\} \begin{array}{c} 20 \text{ scores} \\ n \end{array}$

a.) Determine the percentile rank for the diver who scored 8.0.

Percentile Rank =
$$\frac{11}{20} \times 100$$

= 55th

b.) Determine the 50th percentile. 3 median 4,7,5,6,5,8,6,1,6,4,6,7,7,1,7,3,7,5,7,77.8,8.9,81,8,1,8,2,8.9,9,0,9,1,9,2,9,6

Ans DPn $2)l_{12}$ 32) P35 h) 7.9