Kyndall Brown

Defining Formula

**A study was performed on 30 students at Benedict College. Below is a list of all the ages of their youngest siblings recorded from the study.**

**1-2-2-3-4-5-5-6-7-8-9-10-11-12-13 = 98**

**N = 15**

**98/15 = 6.53**

1 – 6.53 = - 5.53 = 30.6
2 – 6.53 = - 4.53 = 20.5
2 – 6.53 = - 4.53 = 20.5
3 – 6.53 = -3.53 = 12.5
4 – 6.53 = -2.53 = 6.4
5 – 6.53 = -1.53 = 2.3
5 – 6.53 = -1.53 = 2.3
6 – 6.53 = - 0.53 = .28
7 – 6.53 = 0.47 = .22
8 – 6.53 = 1.47 = 2.1
9 – 6.53 = 2.47 = 6.1
10 – 6.53 = 3.47 = 12
11 – 6.53 = 4.47 = 20
12 – 6.53 = 5.47 = 29.9
13 – 6.53 = 6.47 = 41.86

209.46/15 = 13.964 (14)

**Square root of 14 is 3.74**

**Interpretation: The results show that siblings ages scores show that the scores in the sample deviate, on the average, 3.74 points from the mean.**