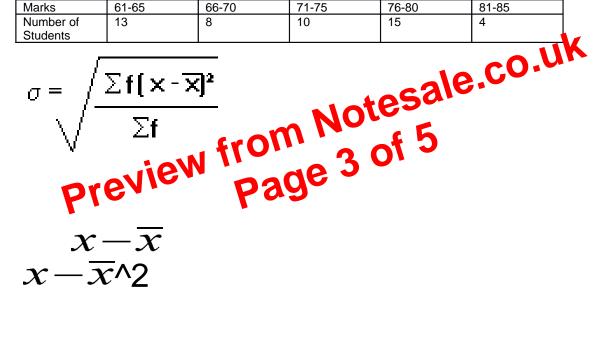
SD= √2229.35/50

x	$x - \overline{x}$	$x - \overline{x} - \overline{x}$	$F(x-\overline{x})^2$
63	-8.9	79.21	1029.73
68	-3.9	15.21	121.68
73	1.1	1.21	12.1
78	6.1	37.21	558.15
83	11.1	123.21	492.84

Let's apply the procedure:



Application: A class of 50 students took their MAPEH exam and their marks are illustrated below. Solve for the SD. 61-65 66-70 71-75

$$\sigma = \sqrt{\frac{\sum f[x - \overline{x}]^2}{\sum f}}$$

With frequency:

$$SD = \sqrt{\frac{\sum (x - \overline{x})^2}{n}}$$