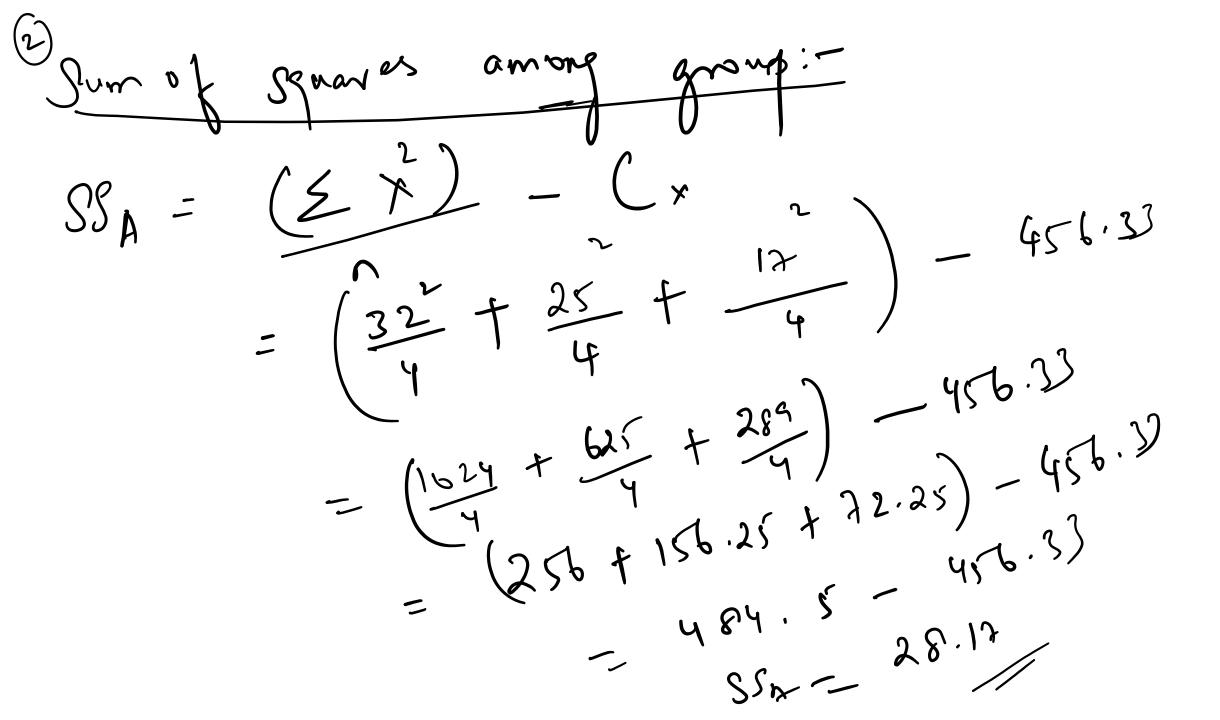
' and Noise Midium Noise ghd/ Marks (x) Col

Corroction term: $C_{x} = \underbrace{S(x)}_{=(32+25+17)$ · => 456.3)// $Ssr = 2x^2 - Cx = 266 + 165 + 12 - 456.23$ (i) Sum of Muare Total: SST = 51.67



(3) Dum of squares Within groups. k > category SSw = SSi - SSA = 51.67 - 28.17 3) I noise SSW - 23.5 sun & shows among Long, $\frac{SS_{0}}{K-1} = \frac{28.17}{3.1} = \frac{28.17}{2} = 14.087$ 9 Man N/88 v =

(5) Mean et sum 1 squeres within groups - N=) Total $Mss_N = \frac{ss_N}{N-K} = \frac{23.5}{12-3} = \frac{23.5}{9} = 2.611$ $\frac{MSSR}{2.611} = \frac{14.085}{2.611} = 5.39$ F-Ratio.

Compare F-Ratio (calculated F-value) with F-tuble

Mss | F Rati Sture of Among group K-1 2 28.17 14.08 Within group L> 9 23.5 2.611 5.399 Total

Jrp=33-1 With (=) N-1(

Ho => No significant effect of noise on number of answers solved Ha => Significant "1" Df =) (9, 2) Groups vs Justel Sample
12-189 Larkup the F- table to value (9,2) (0.00)

Larkup the F- table to value (9,2) (0.00)

All = 9

Col -) grows (4.256)

All = 2

-> 5.394 F cal culeted (F. vah'u) f-tuble -> 4.256 (con'h'al vahu) Ts my fratio > F-table value? (2=0.05)

(5.394) 7 4.216 We reject to ; Accept the Ha. Inference: 109, Right am way)
Noise & The grove