Height (x cm)	130 - 140	140 – 150	150 – 160	160 – 170	170 – 180	
Frequency	5	7	8	6	4	
The table sho height of 30 Find the (i) Min (ii) Max (iii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation culator	Clear? 1: Setup 3: All SHIFF ALPHA Abs x3 B x3 B x6 C x3 Abs x3 C x3	AL-U.P.A.M. 2: Memory MODE SETUP NOT SETUP NG SETUP SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP	We first sure the of all pre	need to mak e calculator is CLeaR evious conter	e ot



Height (x cm)	130 - 140	140 – 150	150 – 160	160 – 170	170 – 180
Frequency	5	7	8	We first	need to make
The table sho height of 30 Find the (i) Min (ii) Max (iii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation culator	Abs x3 Abs x3	Math Math Mode Setup Nooe Setup N	of all pro	Reset All



Height (x cm)	130 - 140	140 - 150	150 – 160	160 - 170	170 – 180]
Frequency	5	7	8	6	4	
The table she height of 30 Find the (i) Min (ii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation culator	Abs x3 Abs x3	AL-U.P.A.D. Math A MODE SETUP ON X ¹ X ² log In Sin ¹ D cos ¹ E tan ¹ F Sin cos tan X at off Sin cos tan X At off M++ CLR INS OFF 9 DEL AC nPr nCr 6 × ÷ Pol Rec 3 + -	We r calcu State	heed to SETUP lator to allow u input with frequency	the is to ON (1)

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Height (x cm)	135 130 - 140	145 140 - 150	155 150 – 160	165 160 – 170	175 170 – 180	
Frequency	5	7	8	6	4	
The table sho height of 30 Find the (i) Min (ii) Max (iii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation lculator	SHIFT ALPHA SHIFT ALPHA Abs x3 B Abs x3 C Abs x3 C Abs x3 C Abs x3 C Abs x3 C C Abs x3 C C C C C C C C C C C C C C C C C C C	AL-U.P.A.M. MODE SETUP NG NG NG NG NG NG NG NG NG NG	We only have a series of the frequency o	ave 1 variable Select Select I number colum t pressing each one. automatically sets top of the nex column column column column column ressing reach one ach frequency pressing reach one	so nn to 1) ct

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Finding Statistics from a Grouped fr

Height (x cm)	130 - 140	140 – 150	150 – 160	160 – 170	170 – 180
Frequency	5	7	8	6	4
The table sho height of 30 Find the (i) Min (ii) Max (iii) Range	ows the students	Abs x3	AL-U.P.A.M.		

- (iv) Mean
- (v) Standard Deviation from the calculator





Height (x cm)	130 - 140	140 – 150	150 – 160	160 – 170	170 – 180
Frequency	5	7	8	6	4
The table sh neight of 30 Find the (i) Min (ii) Max (iii) Range (iv) Mean (v) Standard from the ca	ows the students d Deviation lculator	DATUR 1: Type 3: Sum 5: MinMa SHIFT ALPHA Abs x3 B x3 B x4 x5 x6 x3 Abs x3 Abs x	AL-UPAIM. 2: Data 4: Var x x' var x' x' log in x' log in sin' D cos' E tan' F sin cos tan y x at to fr 9 DEL AC nPr ncr 6 X ÷ 3 + - x10 ^x Ans =	We na analyse we h St	ow need to the statistics have input





Once you have chosen your required output you need to press **=**



THE END

Finding Correlation Coefficient & Line of Best Fit

Height (x cm)	130 - 140	140 – 150	150 – 160	160 – 170	170 – 180	
Frequency	5	7	8	6	4	
The table sho height of 30 Find the (i) Min (ii) Max (iii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation culator	Clear? 1: Setup 3: All SHIFF ALPHA Abs x3 B x3 B x6 C x3 Abs x3 C x3	AL-U.P.A.M. 2: Memory MODE SETUP NOT SETUP NG SETUP SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP NG SETUP	We first sure the of all pre	need to mak e calculator is CLeaR evious conter	e ot



Height (x cm)	130 - 140	140 - 150	150 – 160	160 - 170	170 – 180	
Frequency	5	7	8	6	4	
The table she height of 30 Find the (i) Min (ii) Max (iii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation culator	Abs x3 Abs x3	AL-U.P.A.M. Math Mode Setup NODE Setup	We first sure the of all pro	need to make calculator is CLea R evious conten IFT 9 3: All 3 Yes eset All AC	e t





Height (x cm)	130 - 140	140 - 150	150 – 160	160 - 170	170 – 180	
Frequency	5	7	8	6	4	
The table sho height of 30 Find the (i) Min (ii) Max (iii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students	STAT STAT STAT STAT SHIFT ALPHA Abs 23 Abs 23 Abs 23 Abs 23 A FACT B C(-) 0111 hype STO - % RCL ENG () 7 8 4 5 RCL ENG () 7 8 7 8 7 8 7 8 7 8 7 7 8 7 8 7 8 7 8 7	AL-U.P.A.M. MODE SETUP NODE SETUP NODE SETUP NODE SETUP NODE SETUP NO X ¹ X ¹ NO X ¹ NO NO X ¹ NO NO NO NO NO NO NO NO NO NO	We have 2 with a first the gradient of the first	variables so Se 2 Rainfall row fir pressing r each one. top of the new column c	lect rst kt n

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Finding Statistics from a Grouped fr

Height (x cm)	130 - 140	140 – 150	150 – 160	160 – 170	170 - 180
Frequency	5	7	8	6	4
The table she height of 30 Find the (i) Min (ii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation lculator	I: Type S: Sum S: Re9 SHIFT Abs **	AL-UPAIN 2: Data 4: Var 6: MinMax MODE SETUP NON X/ X ¹ log in X ¹ log in Sin cos tan Y X #2+0± Y M- M Sin cos tan Y X #2+0± Y M- M Sin cos tan Y X #2+0± Y M- M Sin cos tan Y X #2+0± Y M- M DEL AC NFF 9 DEL AC	We nalyse analyse we h St	ow need to the statistics have input



Туре	1:1-VA 3:_+CX 5:0^X 7:0.X^	R 2:A+BX 2 4:1n X 6:A•B^X 8 8:1/X				2: Da
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	Type ange th Sum Regres r the Li y inter Slope Correl Estima a giver Estima a giver	Type $1:1-VA$ $3:-+CX$ $5:6^{X}$ $7:A-X^{A}$ ange the typeSum $1:\Sigma x^{2}$ $3:\Sigma y^{2}$ $5:\Sigma y^{2}$ RegressionI: A $3:T^{A}$ RegressionI: A $3:T^{A}$ RegressionI: A $3:T^{A}$ SlopeCorrelation Co Estimated value o a given value o a given value o	Type $1:1-VAR 2:A+BX$ $3:-+CX2 4:In X$ $5:CX2 4:In X$ $5:CX2 6:A+B^X$ $7:A+XAB 8:1/X$ ange the type of dataSum $1:\Sigmax^2 2:Zx$ $3:\Sigmay^2 4:Zy$ $5:Zxy 6:Zx^3$ $7:Zx^2y 8:Zx^4$ Regression $1:A 2:B$ $3:P 4:X$ $5:9$ r the Line of Best fit y intercept Slope Correlation Coefficient Estimated value of x for a given value of y Estimated value of y for a given value of x	Type $1:1-VAR 2:A+BX$ $3:-+CX2 4:1n X$ $5:@^X 6:A-B^XX$ $7:A-X^B 8:1/X$ ange the type of dataSum $1:\Sigma 2 2:\Sigma X$ $3:\Sigma 2 4:\Sigma Y$ $5:\Sigma X Y 6:\Sigma X 3:T7:\Sigma X 2 Y 8:\Sigma X 4Regression1:A 2:B3:P 4:25:9r the Line of Best fity interceptSlopeCorrelation CoefficientEstimated value of x fora given value of yEstimated value of y fora given value of x$	Type $1:1-VAR 2:A+BX$ $3:-+CX2 4:1n X$ $5:e^X 6:A+B^X$ $7:A+X^B 8:1/X$ ange the type of dataSum $1:\Sigmax^2 2:\Sigmax 3:X^2 4:\Sigmay 5:\Sigmaxy 6:\Sigmax^3 7:\Sigmax^2 8:\Sigmax^4$ RegressionI:A $2:B$ $3:P$ S: 0 r the Line of Best fit $5:S^{\circ}$ r the Line of Best fit y intercept Slope Correlation Coefficient Estimated value of x for a given value of y Estimated value of y for a given value of x	Type $1:1-VAR 2:A+BX$ $3:-+CX2 4:1n X$ $5:@^X 6:A-B^X$ $7:A-XAB 8:1/X$ ange the type of dataSum $1:\SigmaX2 2:\SigmaX$ $3:\SigmaY2 4:\SigmaY$ $5:\SigmaXY 6:\SigmaX3$ $7:\SigmaX2Y 8:\SigmaX4$ Regression1:A $2:B$ $3:r$ $4:X$ it he Line of Best fit $5:@$ y intercept Slope Correlation Coefficient Estimated value of x for a given value of y Estimated value of y for a given value of x

۵ ۲ ata UL F 5. I 릵 4.5 he data 2:2 1:n r 3:ÓX 4:sx 5:2 6: OY 7:sy ow many terms Mean of data **Population Standard** Deviation Sample Standard Deviation ax Min

1:minX	2:maxX
3:minY	4:maxY

nd Max/Min for each olumn

Once you have chosen your required output you need to press

Height (x cm)	130 - 140	140 – 150	150 – 160	160 - 170	170 – 180
Frequency	5	7	8	6	4

The table shows the height of 30 students Find the

- (i) Min
- (ii) Max
- (iii) Range
- (iv) Mean
- (v) Standard Deviation from the calculator



We want to find the correlation coefficient Which is part of regression 5

SHIFT 1] 5	3	
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And we use the letter



Height (x cm)	130 - 140	140 - 150	150 - 160	160 - 170	170 - 180]
Frequency	5	7	8	6	4	
The table she height of 30 Find the (i) Min (ii) Max (iii) Range (iv) Mean (v) Standard from the cal	ows the students d Deviation lculator	Abs x3 F C Abs x3 Abs x4 Abs x3 Abs x4 Abs x4 A	ARL-U.P.A.M. 120916157 120916157 NOCE SETUP ON X' X' 10g-1 ON X' 10g-1 ON X' 10g-1 ON Sin Cos tan X #‡###Y M- M S#D M+ OFF 9 DEL AC nCr C	To find for the Y AC SHIFT AC SHIFT	the Equation line of Best = A + B x A 1 5 1 A= 8.66 B 1 5 2 5 = -1.12	on Fit

Line of Best Fit y = 8.66 - 1.12x

Finding Statistics from a Grouped frequency table

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Hoight (y cm)	120 140	140 150	150 160	
Frequency	130 - 140	140 = 150	130 - 180	<u>Using the Equation of</u> <u>the line of Best Fit</u>
The table sho height of 30 Find the (i) Min	ows the students	SHIFT ALPHA	AL-U.P.A.M.	e.g. To find the value of when x is 9 Press 9 Then in regression
 (II) Max (iii) Range (iv) Mean (v) Standard from the cal 	d Deviation	Abs : Abs : *** : <td>$x/$ $x'^{-1} \log x$ $\sqrt{2}$ $10^{n} e^{n}$ $x^{n} \log \ln$ $\sin^{n} \cos^{n} \tan^{n} F$ $\sin^{n} \cos^{n} \tan^{n} F$ $y x a^{n}_{T} \leftrightarrow \frac{d}{2} Y M- M$ $y x a^{n}_{T} \leftrightarrow \frac{d}{2} Y M- M$ $y x a^{n}_{T} \leftrightarrow \frac{d}{2} Y M- M$ $y x a^{n}_{T} \leftrightarrow \frac{d}{2} Y M- M$</td> <td>choose \tilde{x} (4) AC 9 SHIFT 1 5 4 E e.g. To find the value of when y is 3.2</td>	$x/$ $x'^{-1} \log x$ $\sqrt{2}$ $10^{n} e^{n}$ $x^{n} \log \ln$ $\sin^{n} \cos^{n} \tan^{n} F$ $\sin^{n} \cos^{n} \tan^{n} F$ $y x a^{n}_{T} \leftrightarrow \frac{d}{2} Y M- M$	choose \tilde{x} (4) AC 9 SHIFT 1 5 4 E e.g. To find the value of when y is 3.2
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find the value of y hen x is 9 Press 9 in regression oose \tilde{x} (4) 154= HIFT Find the value of x nen y is 3.2Press 3.2 in regression choose \tilde{x} (4) 2 SHIFT 5 5

Finding Statistics from a Grouped frequency table

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