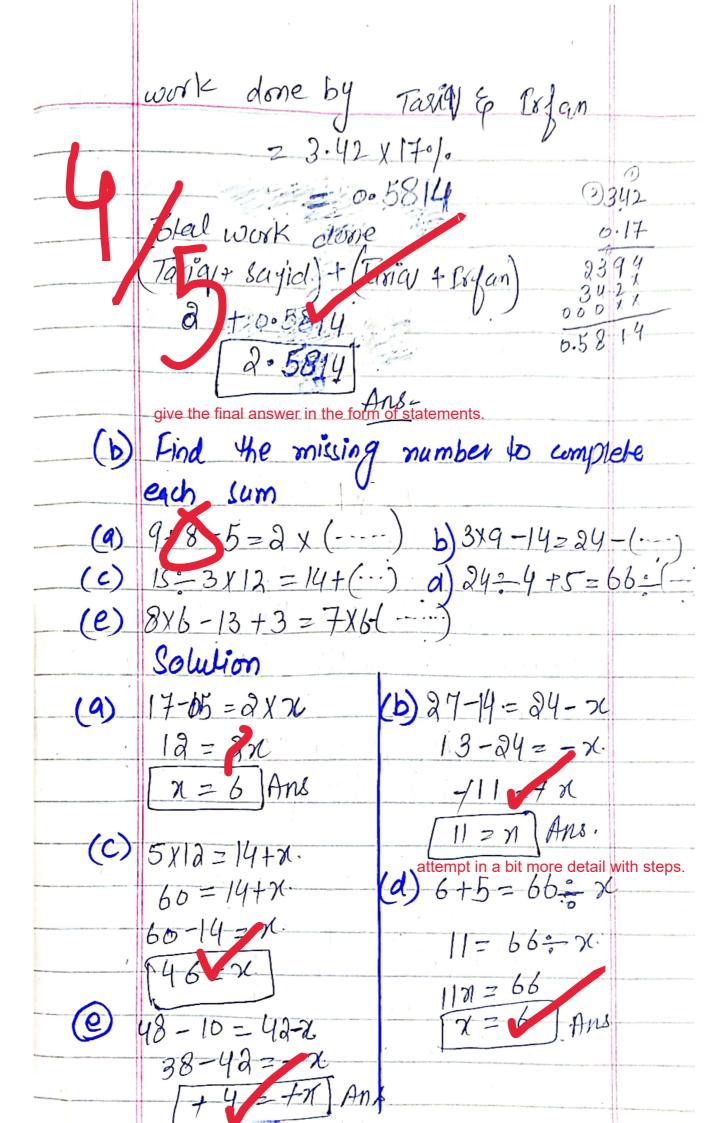
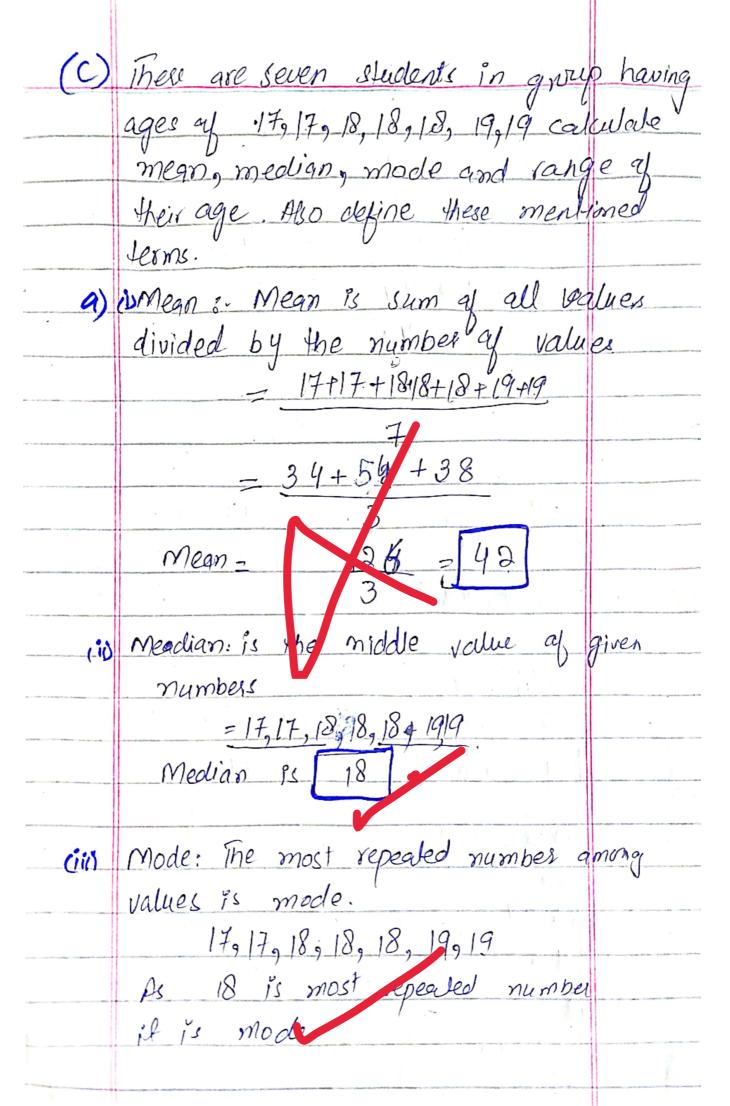
CSS-2020 GSA (2#6) Tarial do a touloring job in bhours sajid does the same Job in 4 hours. Irfan does it in 8 hours Taria, and Sajjid start doing the work sajid Leones after two hours and Irfan replaces him. How long would it teles to complete the work? Solution Sajfid tailoring Job hours = 4 Irfan tailoring job nours work complete in me hour Tariey and sajjid total work

	712 12 - 2.4 hours	
	a series part of the contract	how)
	Total work afor sajid & Tariq (2.4) percentage of work completion by the Tariql & Sajid	
,	= twork time x 100	
	= <u>3</u> = 100 3.4	6 6 8 3 2 8
	$= \frac{\partial}{\partial 4} \times 10 = \frac{\partial}{\partial 4} = \frac{126}{126} =$	b.8333
	Remaining = 83%. 1001-83% = 17%.	
, .	Touign & Irfan work	
	7 6 8	2
	N 124	
	$\frac{1}{\lambda} = \frac{7}{84}$	
	$7\pi = 34 = 7 \pi = 34. = 3.42$	





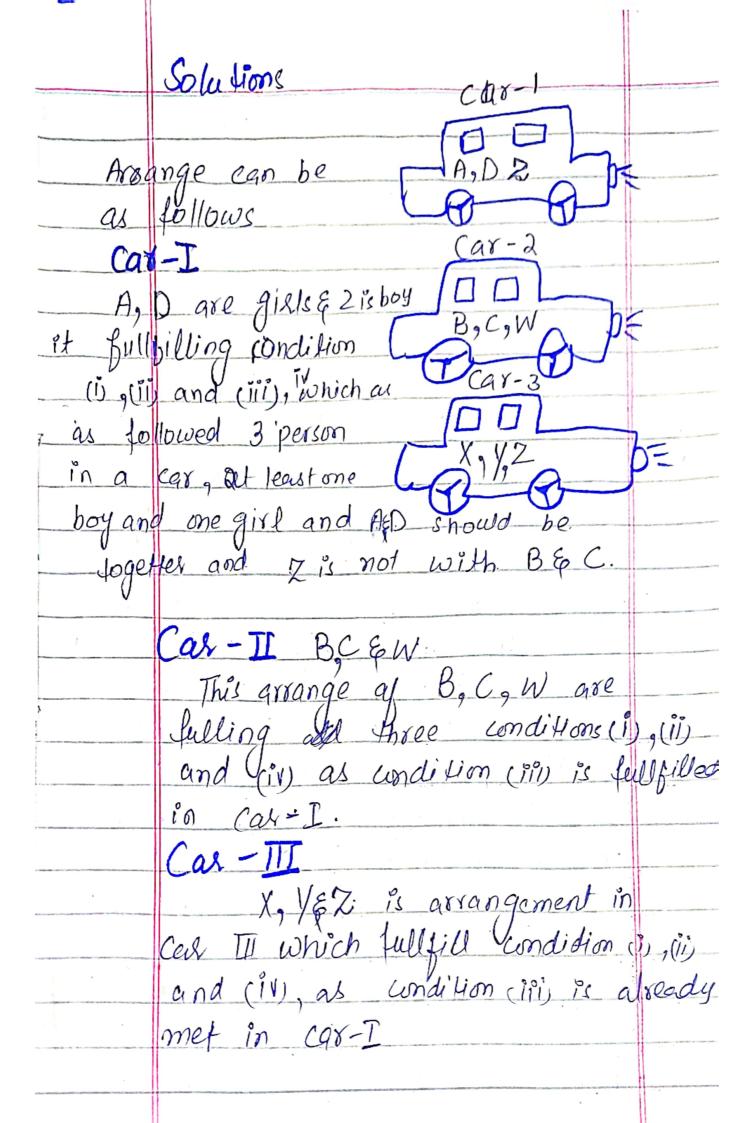
(2) الألما Ranges is the difference between higher value and Cower value of giver numbers is the lowest damber while 19 is the highest number. Pange = 19-17 (d) How does mental ability scale differ from Ia test? IQ test Mental ability sale. 91 is narrowly sot is has the brodder (i) focused. View It coused on = 9+ coursed on broader process or problem view, abstract thinking. solving technique (10's) It does not include the cultural cultural as peu context to avoid baismens (iv) 9th has highly 79t does not strictly slandgradized to follow the morms of a measure one anike sules: cognitive abilities 794 also wonsider memory (V) It has the is It only Polentify the very long history Strength and weaknesses educational purposes of any in educational context

6#79) Mushtaq), pervaiz, Ehran, Umair and Saleam are friends having different height and weights. Mustag weights Lour times as much as pervour and pervaiz weight double than Ehsan, Ehsan weight hay much as Omair and umais weights holf as much as 4mair saleers. who is heaviest (i) who is the sewand heavie who has lowest weight (iv) who are equal in weight? (v) Mention the decending order. Solution: be an=Mushtag/ = 4 times pervain B= Pevaiz = 2 times Phsan. delmair = 1 saleremes == Eshsan= 14- @= Fhsan =

let the pervais weight be x. Mustage 4x $\chi = 2 \times Fhsan$ Eshar 2 = Lumair umaix. z = umaisx = 1 saleem dx = Saleem. 4: co Mustage is the heavies among all (ii) Saleem is the second righest among all. (ili)_ Umais & pervair are equal in weight (iv) Mustag) > Saleem > Umair & pervair > Tr Ehsan A farmer needs to build a boundary B Area = 484 ma Area of reclargle is A2. what is the total Area of wall?

-	if it is two meter high on the three	
nat and	if it is two meter high on the three side and three meter on one side?	
	Q-1.1son	
The second secon		
	Area al squase = q ² al la ² Area al sid 489 m. ²	
	Acec 1510 7 9 413	
	Aseg ay-onse 22 x 112	
0 5	Area = 22m	
(idd)	Area of wall with 2 m = (2x3) x 22 = [132m] Area of wall with 3 on = 3x 22 = [66 m] As peremeter of square is 49 Tone) three side having & m = (2x3)	
	Area of wall with 3 on = 3x22 = 166 m	
-(WS)	As peremeler as square is 4a	
(working	one) three cide having &m = (2x3)	
0		
,	Total grea aj walls z 136m + 66m	
	Total area at walks = 209 m	
(c)	Total area as wells = 2 0g m Live girls A, B, C, D, F and four boys W, X, Y, 2 have to go a trip in three	
	WX. V. 2 have to go a trip in three	
, ,	Cars, cas-1, car-2, car-3 The	
	hollowing restrictions for sealing in car	
e ⁱ	are to be observed	
Ü	only three persons in a car	
Cib	At least one boy and one girl in	
	each car	
(111)	A & D should remain together (iv) 2 can't sit with	
	V Y2 11 C. C	

11.



d) What are social skills , Describe faur couses of weak social still? Social skille are the ways to create the relationships among human beings social skills are based on the principle of communication. thes can be verbal or non verbal Communication. Social skill are mechanisms on which humans maintain the longterm relationships. As humans are social animals they need to intereact with other humans fer survival. Acustina 40 symbolic Interactionist view humans developed through social skill as social Entereaction with other According to Arifolle human are social animals they can't survive on their own they need to intereact with eachother fer survial. Social Skills : Social Skills based on verbal or non-verbal communication. However, communication itsey based

To C's of Communication 00 7 Cs of communication > Concise > Coherent > clear > corsect > complete > complete Any defect in above mentioned C leads to lack of social stills Causes of lack of social skills (i) Language Barrier to any languague they can not Socialize with that community. Because they are unable to deliver, concise, clear, concrete, obherent and correct message to that specific community. (ii) Alienation from culture Alienation from any culture

Could leads to madenshaved through verbal Mysosbarla communication. To be socially acceptable one must needs to undersland the megning of culture (iii) Stressfull situation understand anyone's Culture leads W) lo create a stressfull situation which autimatically create topulate (W) for some. Binable to deliver wiki Courecius message is anothes cause of lack of social skill. (iv) lack of knowledge The lack of knowledge about folkways or moves of any society also cause the pools set of social skills. Moseover, lack of knowledge could not deliver in conerent, complete and concrete message which leads be toubled cituation. co lack of self confidence: lack of selfcondience is also a course for poor social still.

Disuss PH types? Definition with systematic way is promi as systematic sampling. It is good for the larges I monther of popullation. In this this Lipe of sampling a random drawn fer example interral is soo, 10th subject will be choosed. for Kample = 5006 = 10 aib_. Linear Systematic Sampling syclematic (V)--Sample -ciccular systematic ui) Straufied Y Diepropotina popotional sampling systemate systematic Syplemate Eampling Campling campling.

is Kandom Systematic Sampling In a supermarket to cheese the response of oculomes towards peroduct the interval of 10th is fixed after of visiting customer to the will be knosen for response. (ii) Stratified systematic compleng Fin Similarly, the interval is fixed now response y age
group fowards newly introduced choistate flavous will be recorded Les Desegran. (iii) propotionale systematidis) Disprophionate sampling Systematic sampling Enample: To get the En Disporpotionale response to new there is no defined spoots to curricular propoteon. The student questionair in those will find classes. In every class in junior section 30% of student ony 30% will aire choosen for be included However. Carvery. no, Propotional formula rs also a cause fer poor tocial skill.

linear systematic (") circular systematic Sampling sampling In this sampling 91 slast the time perodis being defined To measure time from the came point where the skess level and il is ended. thronord Doess due the sample paper cise being distributed among employee during opening and Closing of financial Blood group of inhabitant of a village wese checked it was found that Goo pple possessed blood group A. Esso. blood group Bosso had blood group A & B and 200 have blood group of O. Calculate the probability of having B (1) calculate the probability of having blood group

Solution plood group (A) = 600 blood 9 roup (B) > 650 Blood group (AB) =550 Blood group (0)= 200 Total possible out comes = 600+650+550+200 Total possible outent - 2000 probability = no y occurance of an event Total possible outcomo blood group (B) = 13,500 20.325 200 6500 6000 Blood group (B)= 32.5./. Blood group (0) = 200 2000 200 2000 Blood groupo) 0.1./. 08 1./. el Blood group(B) = 32.50/0

all Blood group(B) = 10/0 Ans

Candill 30 killometer road in 40 days. How long will it take. To men to complete same length. ap road? Days Men Road. 148 50 20 x V70 V20 = 50 y 20 x = 28.5days Pahid left the property of worth Rs 1750,000. His family had to pay off debt of Rs-150,000. This seef of money was distributed between Son and a daughter. How much die

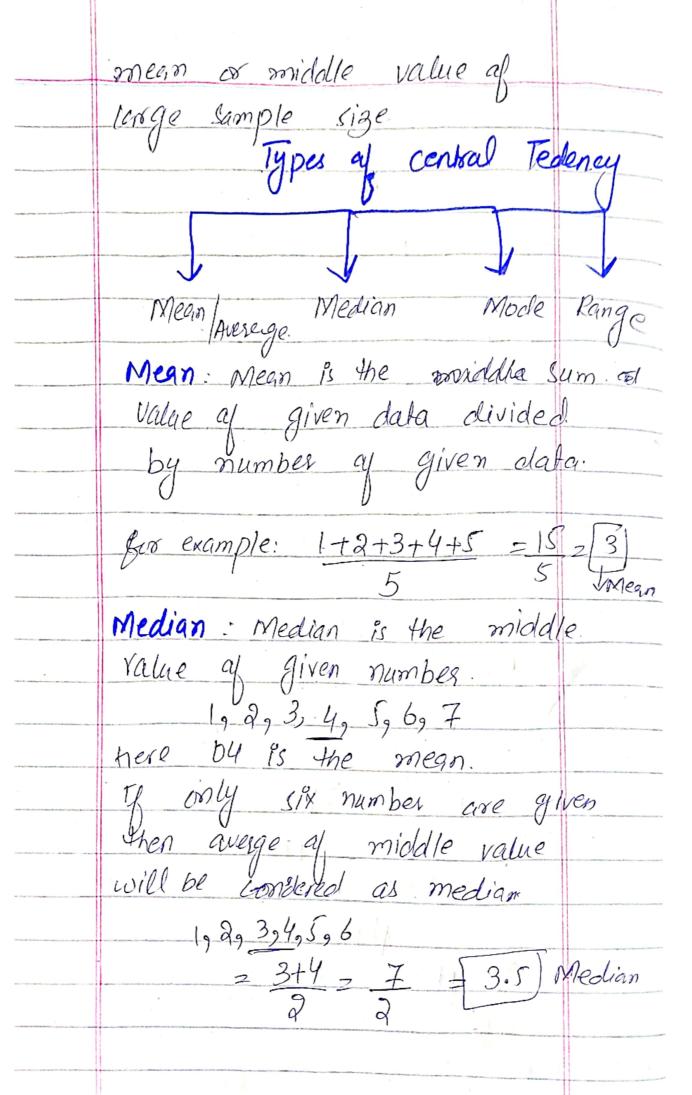
		And the second s
	each child receive if shape of a	
	each child receive if shape of a Son was double than that of	
	a daughten	
No. 100 Telephone 100 Telephon	Colulian	
	Solution:	
	2ahid left monesty 21750,000	
	debt so be Paldall = 150,000	
	Remaining amount = 1750,000-1	50,000
	2ahid left property 21750,000 debt so be raidal/ = 150,000 Remaining amount= 1750,000-1 Remaining amount= 1,600,000	
	Total share = son's share + Daugh	
	Total share = 3 + 1 = 3 Dauthers'shape = 1600,000 x 1	
,	Daniel Maria Cara and	
	Daugthers chare 533, 333.33 Son's share= 1600,000 x.d.	
	3 3	,
	Son's share = 1,066,666.66	
	, , , , , , , , , , , , , , , , , , , ,	-

Common, together, same CSS-2019 (GSA) 9#6 Mois was trying to sleap out one night but there was too much noise around him, His clock fictool overy of second; a tap was dripping every of second and a pot dog snoved avery 12 second. He noticed. on his clock that all three things happened together on the stocke of mid night. Find after how many second all three things happened together again. Solution: Clock filled = 05 sec. Tap Dripping = 07sec dog snoved = 12 sec. how many o second all three happened 2? (together L. C.M. (.CM, 5 X 7 X2 X2 X3 X) 1.cm = 420 all three 4 20500 nappened logethe.

leasty smallesty lowesty Minimum

one pipe can fill a pool 1.25 times as fast as second pipe when both pipes are opened they fill fill the pool in five hours. How long will it take the pool if only slower pipe is used? Solution. let be the pipe x The fast pipe = x = 1.25x slower pipe = 1.25x. Two pipes filled, tenk in os hours 1+1 - 5 hours 1-25x 1.25+1 = 5 hours 1.25n 3.25 = /1 1.25x / 5 hours 16.25 hours 1.25n Acr Slower pipe filled the tank in 11.25 1125 voo = x fas pipe fill lanke =) x = 9hours Ay es also a Eccuse fer poor soun

The cost for hiring a cox ter 2 days in 2018 was 264 which was 20% more than in 2013, what was the cost of hiring a for for two days in 2013 Solution let the price of cgo bo = x. In case of 20% more on a corr 71 + 20% x = 264 n+ 20 n. = 264 100x+20x - 364 100 18 ON = 2640Q 121 7= 230 cost of hirring for days in 2013 Ans Measure of Central Tedenty and the types? The Central tendency is the technique to measure the central value of data in large population. It is very effective in medsuring in the



Moder Mode is the most repeated value in set of data

1, 2,2,2,2,2,4,4,33,5,5

Here of is mode of data Range: It is the difference between higher value and lower value 1,20,25,60,61 Range 2 61- 10 2/60/Ave Att 1 Rs 3000 in the route 1:4. Mois where then part beleveen himself and, his wife, son more does his wife getover their son? lottesy amount 3000 Moiz share= 1 Total share = 1+4=5 600 Maiz share in bottery 2 3000x1 2 600 Moi2's share 120600x 4 2 1000 Moi2's share 2600x 4 2 1000 Mois share = 600x 1 1000 to 2 600 Mois share 300, wife shar 240, son's 60

How much

more does = 240-60 = [180] 246

180

180 wife get 180 Aus

I BE DI 1130

A Former keeps Hens and Rubbels on Nic form one day, he counted total up 76 head and 196 legs. How many does he have (b) Solution - let H be Hen Ep P be Poblis NOW equations will bo. 2H+4R=196 -H+R=-70 Mulliplying equation no (1) with (2) 2 (H+R) = 2 (70) 2H+2R=140 -Subtrating equation (ii) from (i 2 # + 4 P = 196 +3/4+21P=9140 2R2056 Dutting value of Rin equation a (4)+9 (28)= 196 DH+118 = 196 528 2Hz 196-56 2H= 84 H= 840 = 199 Hensz 20, Rabbits z 88 Ag+88= 70) [2(4g)+4(88) = 1961

what is polygon? Describe different types of polygon? The word Polygon can be divided into two part poly means many and gon megns sides. The meaning of poly-gon energie many sides. Ot is 4000 dimensional shape of etaight line not include emy circle. Two dimensions means. length and width. Type of polygon riangle Square Penlagon Hexagon -(4) (5) - Having - Having Heplagone olagor, Albuing. -Howing tireside Four vide -angle Three - sum af - Sumey 100 sides angle is internal Sumah 540° angle is -Protesnoul - Howe 07 side angle 180° 360° Having Angle of od side 900

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