				a difference?
Participant	Before	After		
1	110	120		
2	96	105		
3	78	113		
4	99	112		
5	65	117		
6	96	119		
7	105	115		
8	107	118		
9	120	118		
10	94	102		

T-Test: Paired Two Sar	mple for D	epender	nt Means						
T Testi Tunica Tivo sa	inpic ioi b	срепаст	le ivicans						
	Before	After							
Mean	97	113.9	_	Note the	increase	in the n	nean scor	e	
Variance	251.33333	36.98889							
Observations	10	10							
Pearson Correlation	0.2039718								
Hypothesized Mean Differei	0								
df	9								
t Stat	-3.386856								
P(T<=t) one-tail	0.0040195	1							
t Critical one-tail	1.8331129								
P(T<=t) two-tail	0.008039								
t Critical two-tail	2.262157								
		K							
			Since the	e t stat -3	.386 (or t	the abso	lute value	e of 3.338	36) is
		larger than the t critical two tail value, then we can state							
		that the teaching intervention made a difference and since							
		the p value is 0.008 and is less than p=.05, we can say that							
		the difference was NOT by chance and that our teaching of							
			doctrine	ne made a significant difference.					
			+ - 2	220 -	< noe				
			t (9) - 3	.338, p	< .008				

		Р	RETEST	Γ RESUI	LTS			
Participant	Q1	Q2	Q3	Q4	Q5	Q6	PRETEST TOTAL	
1	3	6	5	5	6	4	29	
2	6	5	6	4	5	5	31	
3	4	5	6	5	5	3	28	
4	4	5	4	5	5	6	29	
5	5	6	4	4	5	4	28	
6	6	4	5	4	4	5	28	
7	5	6	5	3	4	4	27	
8	3	3	4	3	5	5	23	
9	4	3	2	5	3	5	22	
10	4	5	3	6	4	5	27	
PRETEST TOTAL	44	48	44	44	46	46		
		P	<b>OSTTES</b>	T RESU	LTS			
Participant	Q1	Q2	Q3	Q4	Q5	Q6	POSTTEST TOTAL	
1	4	6	6	5	6	5	32	
2	6	6	6	5	6	6	35	
3	6	6	6	5	5	5	33	
4	5	6	6	5	5	6	33	
5	6	6	6	5	5	6	34	
6	6	5	6	5	5	6	33	
7	5	6	5	6	5	6	33	
8	5	4	5	5	6	6	31	
9	5	6	5	6	5	6	33	
10	5	5	6	6	5	5	32	
POSTTEST TOTAL	53	56	57	53	53	57		

PRETEST TOTAL 27.2 7.511111111	POSTTEST TOTAL 32.9
	32.0
7.511111111	32.3
	1.211111111
10	10
0.559959982	
0	
9	
-7.796928869	
1.35831E-05	
1.833112923	
2.71663E-05	
2.262157158	
	10 0.559959982 0 9 -7.796928869 1.35831E-05 1.833112923 2.71663E-05