

$\bar{X}$   
*S.D.*  
*n*  
*t*  
*D*

1.

(t-test dependent sample)

2

	<b>n</b>	$\bar{X}$	<i>S.D.</i>	$\sum D$	$\sum D^2$	<b>t</b>	<b>p</b>
	23	141.74	24.53	326	6494	7.3665**	.000
	23	156.65	25.00				
$t(.01,22) = 2.508$				**		.01	

2

.01

2.

(t - test dependent sample )

3

	(n=23)		(n=23)		$\Sigma D$	$\Sigma D^2$	t	
	$\bar{X}$	S.D.	$\bar{X}$	S.D.				
	1.	48.26	7.63	54.17				9.87
2.	47.13	6.09	50.61	8.77	80	1412	2.323*	
3.	46.35	14.09	51.87	8.96	139	2364	3.260**	
	141.74	24.53	156.65	25.00	355	6254	7.366**	
t (.01 ,22) = 2.508							**	.01
t (.05 ,22) = 1.717							*	.05

3

.01

.05

3