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EDG 500

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SPSS 12 week 8

**One-Sample Statistics**

	N	Mean	Std. Deviation	Std. Error Mean
Attitude Towar Math	20	3.7000	2.55672	.57170

**One-Sample Test**  
Test Value = 4.0

	t	df	Significance		Mean Difference	95% Confidence Interval of the Difference	
			One-Sided p	Two-Sided p		Lower	Upper
Attitude Towar Math	-.525	19	.303	.606	-.30000	-1.4966	.8966

Figure 12.5. Output after step 5, including the  $t$  test for one sample.

**One-Sample Statistics**

	N	Mean	Std. Deviation	Std. Error Mean
Attitude Towar Math	20	3.7000	2.55672	.57170

**One-Sample Test**  
Test Value = 2.50

	t	df	Significance		Mean Difference	95% Confidence Interval of the Difference	
			One-Sided p	Two-Sided p		Lower	Upper
Attitude Towar Math	2.099	19	.025	.049	1.20000	.0034	2.3966

Figure 12.6. Output with a test value of 2.50.

Exercise chapter 12

**One-Sample Statistics**

	N	Mean	Std. Deviation	Std. Error Mean
Washington Elementary School Scores	12	32.7500	4.02549	1.16206

### One-Sample Test

Test Value = 32.00

	t	df	Significance		Mean Difference	95% Confidence Interval of the Difference	
			One-Sided p	Two-Sided p		Lower	Upper
Washington Elementary School Scores	.645	11	.266	.532	.75000	-1.8077	3.3077

- A. The values of the mean for sample a Washington Elementary school is 32.7500.
- B. The value of  $t$  is .645.
- C. The probability associated with the  $t$  score .532.
- D. *Not* statically significant
- E. For the results for reading test, the values of the mean and standard deviation are 32.75 and 4.02, repetitively, the school district mean is 32.00. The difference between the sample mean and the school district mean is not statistically at the .05 level ( $t = .645$ ,  $df = 11$ )