

One-Sample Statistics				
	N	Mean	Std. Deviation	Std. Error Mean
Attitude Toward Math	20	3.7000	2.55672	.57170

One-Sample Test						
Test Value = 4.0						
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Attitude Toward Math	-.525	19	.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 Toward Math	20	3.7000	2.55672	.57170

One-Sample Test						
Test Value = 2.5						
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Attitude Toward Math	2.099	19	.049	1.20000	.0034	2.3966

Figure 12.6. Output with a t test value of 2.50.

One-Sample Statistics				
	N	Mean	Std. Deviation	Std. Error Mean
Washington Elementary School	12	32.7500	4.02549	1.16206

One-Sample Test						
Test Value = 32.00						
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Washington Elementary School	.645	11	.532	.75000	-1.8077	3.3077

Figure 12.7. Chapter 12 exercise output with a t test value of 32.00.

- The mean for the sample at Washington Elementary School is 32.75.
- The value of t is .645.
- The probability associated with this t score is .532.
- The difference between the district mean and the Washington Elementary School mean is not statistically significant at the .05 level.
- For Washington Elementary School, the values of the mean and standard deviation are 32.75 and 4.03 respectively. The school district mean is 32.00. The difference between the sample mean and the school district mean is not statistically significant at the .05 level ($t = .645$, $df = 11$). Thus, the null hypothesis was not rejected.

