

**TABLE 16.3**The Calculations for  $SS_Y$  Using the Data in Example 16.3

$X$	$Y$	$X - M_X$	$Y - M_Y$	$(X - M_X)(Y - M_Y)$	$(X - M_X)^2$	$(Y - M_Y)^2$
9	0	3.75	-2.75	-10.31	14.06	7.56
5	3	-0.25	0.25	-0.06	0.06	0.06
8	2	2.75	-0.75	-2.06	7.56	0.56
2	5	-3.25	2.25	-7.31	10.56	5.06
6	3	0.75	0.25	0.19	0.56	0.06
3	4	-2.25	1.25	-2.81	5.06	1.56
5	2	-0.25	-0.75	0.19	0.06	0.56
4	3	-1.25	0.25	-0.31	1.56	0.06
				$SS_{XY} = -22.50$	$SS_X = 39.50$	$SS_Y = 15.50$

The sum of  
products  
for  $X$  and  $Y$

The sum of  
squares for  $X$

The sum of  
squares for  $Y$

The first six columns are taken from Table 16.2.