

TABLE 16.9

Preliminary Calculations Needed to Solve for b_1 , b_2 , and a in the Equation for the Regression Line

	X_1	X_2	Y	Y^2	X_1^2	X_2^2	X_1Y	X_2Y	X_1X_2
	19	12	20	400	361	144	380	240	228
	21	14	40	1,600	441	196	840	560	294
	26	13	30	900	676	169	780	390	338
	28	18	68	4,624	784	324	1,904	1,224	504
	32	17	70	4,900	1,024	289	2,240	1,190	544
	30	16	60	3,600	900	256	1,800	960	480
Sums	156	90	288	16,024	4,186	1,378	7,944	4,564	2,388