

TABLE 15.8

## Preliminary Calculations in Step 2 of Example 15.3

$X$	$Y$	$Y - M_Y$	$(Y - M_Y)^2$
1	23	4.25	18.06
1	9	-9.75	95.06
1	12	-6.75	45.56
1	12	-6.75	45.56
1	29	10.25	105.06
2	32	13.25	175.56
2	10	-8.75	76.56
2	8	-10.75	115.56
2	20	1.25	1.56
2	12	-6.75	45.56
2	24	5.25	27.56
2	34	15.25	232.56
$M_Y = 18.75$			$SS_Y = 984.22$

$M_{Y_1} = 17$  → Mean  $Y$  scores for men (coded as "1")

$M_{Y_2} = 20$  → Mean  $Y$  scores for women (coded as "2")

→ The sum of squares for  $Y$

The key values that are substituted into the formula for the point-biserial correlation coefficient are circled.