direct costs per unit (₹)						1600 borp.
Product price per unit (₹)	150	180	200	400000==	9400 yorks.	5 then 640
	0011		, ,		480960 V and 7	in a city were

Example 2.14: In the year 2011, the total strength of students of three colleges X, Y and Z in a city were in the ratio 4:2:5. The strength of college Y was 2000. The proportion of girls and boys in all colleges was in the ratio 2:3. The faculty-wise distribution of boys and girls in the faculties of Arts, Science and Commerce was in the ratio 1:2:2 in all the three colleges.

Transforming the ratios into corresponding numbers, prepare a complete table for the following

information. Give a suitable title to the table.

Solution: The data of the problem is summarized in Table 2.32.

Distribution of Students according to Faculty and Colleges in the Year 2011

Colleges	Table			on of Students according to Faculty and Conleges in in Faculty						Total
	Arts			Science			Commerce			(1) + (2) + (3)
	Boys	Girls		Boys	Girls	Total (2)	Boys	Girls	Total (3)	
X	480 240	320 160	(1) 800 400	480	640	1600 800 2000	960 480 1200	640 320 800	1600 800 2000	4000 2000 5000
Z	600	400	1000	1200	1760	4400		1760	4400	11,000
Total	1320	880	2200	2640	1700	1100			in forr	nation regardi

Example 2.15: The annual report of a Public Library reveals the following information regarding the

Out of the total of 3718 books issued to the members in the month of June, 2100 were fiction. reading habits of its members. There were 467 members of the library during the period and they were classified into five classes—A, B, C, D and E. The number of members belonging to the first four classes were respectively 15, 176, 98, and 129, and the number of fiction books issued to them were 103, 1187, 647, and 58 respectively. The number of books, other than text books and fiction, issued to these four classes of members were respectively 4,390, 217, and 341. Text books were issued only to members belonging to classes C, D, and E, and the number of text books issued to them were respectively 8, 317 and 160.