

**NCERT Maths Class X-Statistics Ex 14.1 - Question 9**  
**Solutions by Dev Anoop (Bathinda)**

Literacy rate	Number of Households $f_i$	Class Marks $x_i$	$u_i = \frac{x_i - a}{h}$	$f_i u_i$
45 - 55	3	50	-2	-6
55 - 65	10	60	-1	-10
65 - 75	11	70	0	0
75 - 85	8	80	1	8
85 - 95	3	90	2	6
Total	25			-2

$$\text{Mean} = a + \frac{\sum f_i d_i}{\sum f_i}$$

$$= 70 + \frac{-2}{35}$$

$$= 70 - 0.057$$

$$= 69.43$$

Mean Literacy Rate = 69.43%

**Method Used – Step Deviation.**