

In a company having 80 employees, 60 earn 10.00 per hour and 20 earn 13.00 per hour. The mean earning per hour is.

a. \$20.15 b. \$10.75 c. \$10.95 d. \$11.78

Solution

The mean earning per hour is

$$\frac{e_1N_1 + e_2N_2}{N},$$

where e_1, e_2 - earning per hour for two kinds of employees, N_1, N_2 - numbers of two kinds of employees, N – number of all employees.

So we get

$$\frac{60 * 10 + 20 * 13}{80} = 10.75.$$

Answer: b. \$10.75.