

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

$$\frac{e_1 N_1 + e_2 N_2}{N},$$

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.**