

Exercise - 5-B

1. Fill in the blanks. Do these mentally

$$a) 12 \times 11 = 132$$

$$b) 14 \times 12 = 168$$

$$c) 15 \times 13 = 195$$

$$d) 16 \times 12 = 192$$

$$e) 16 \times 16 = 256$$

$$f) 15 \times 15 = 225$$

$$g) 13 \times 13 = 169$$

$$h) 25 \times 1000 = 25000$$

$$i) 39 \times 1000 = 39000$$

2. Multiply

$$a) 3776 \times 15 = 56640$$

$$b) 17969 \times 43 = 750957$$

$$c) 2159 \times 124 = 267,096$$

$$d) 3383 \times 332 = 1,121,156$$

$$e) 6324 \times 762 = 4,818,888$$

$$f) 42616 \times 35 = 1,491,560$$

$$g) 18721 \times 176 = 3,294,896$$

$$h) 88600 \times 323 = 28,617,800$$

$$i) 339820 \times 21 = 7,136,220$$

3. A shopkeeper sold 215 mobile phones, each costing Rs. 15,675. Calculate the total money he has collected through the sale.

Cost of one mobile phone = Rs. 15,675

Cost of 215 mobile phones = Rs. $15,675 \times 215$ = Rs. 33,70,125

$$\begin{array}{r} 15675 \\ \times 215 \\ \hline 78375 \\ 156750 \\ + 3135000 \\ \hline 33,70,125 \end{array}$$

The total money 33,70,125 he has collected through the sale.

4. A playground is 1,325 m long and 275 m wide. Find the area of the playground.

Length of the playground = 1,325 m

Width of the playground = 275 m

Area of the playground = $1,325 \text{ m} \times 275 \text{ m} = 3,64,375 \text{ sq. m}$

$$\begin{array}{r} 1325 \\ \times 275 \\ \hline 6625 \\ 92750 \\ +265000 \\ \hline 364375 \end{array}$$

So, the area of the playground is 3,64,375 sq. m

5. A water tank has the capacity of 15,680 liters. Find the quantity of water in 125 such tanks.

Capacity of one water tank = 15,680 litres

Quantity of water in 125 such tanks = $15,680 \times 125$

$$\begin{array}{r} 15680 \\ \times 125 \\ \hline 78400 \\ 313600 \\ +1568000 \\ \hline 1960000 \end{array}$$

So, the quantity of water in 125 such tanks is 19,60,000 litres

6. A public school has 3,127 students. If each student pays Rs. 850 for their school excursion, calculate the amount of money collected by the school for the excursion.

Number of
~~Amount~~ each students in the school = 3,127

Amount each student pays = Rs. 850

Total money collected = Rs. 850 × 3

$$\begin{array}{r}
 3127 \\
 \times 850 \\
 \hline
 0000 \\
 156950 \\
 +2501600 \\
 \hline
 26,57,950
 \end{array}$$

So, the amount of money collected by the school for the excursion is Rs. 26,57,950.

7. A reputed computer firm has 2,37,118 employees. If the company pays ₹ 750 per employee as New year bonus, how much money will be spent by the company?

Number of employees in firm = 2,37,118

Bonus each employees gets = Rs. 750

Total ~~no~~ money spent by the company = Rs. 2,37,118 X

Rs. 750 = Rs. 17,78,38,500

$$\begin{array}{r}
 237118 \\
 \times \quad 750 \\
 \hline
 000000 \\
 11855900 \\
 + 265982600 \\
 \hline
 177838500
 \end{array}$$

So, total Rs. 17,78,38,500 will be spent by the company.