

EX-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) $34 \times 1000 = 34000$

The number which is multiplied is called as multiplier.

The number by which we multiply is called the multiplier. The answer or result of multiplication is called product.

2. Multiply

(a) 3776

$$\begin{array}{r} \times 15 \\ 18660 \\ +37760 \\ \hline 56420 \end{array}$$

(b) 17464×43

$$\begin{array}{r} \times 43 \\ 17464 \\ \hline 51282 \\ +698460 \\ \hline 749742 \end{array}$$

h)

$$\begin{array}{r} 88600 \\ + 323 \\ \hline 255800 \\ + 1742000 \\ \hline 2558000 \\ + 27801800 \\ \hline \end{array}$$

(i)

$$\begin{array}{r} 334810 \\ \times 21 \\ \hline 6696200 \\ + 334810 \\ \hline 7051010 \end{array}$$

CW

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EX-5.(B)

Word Problems

(Q3). Solution -

Cost of one mobile phone = Rs. 15675
 Cost of 215 mobile phones = Rs. 15,675 × 215 =
 Rs. 3,370,125

$$\begin{array}{r} 15,675 \\ \times 215 \\ \hline 78375 \\ + 156750 \\ + 3135000 \\ \hline 3370125 \end{array}$$

So, the total money the shopkeeper
 has collected Rs. 3,370,125

(Q4) Solution -

Length of the playground = 152.5 m
 Width of the playground = 275 m
 Area of the playground = ~~1525~~
 $= 1525 \times 275 = 3,64,375$

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

(Q5) Solution -

Capacity of one water tank = 15,680 L
 Quantity of water in 125 such tanks = $15,680 \times 125$
 $= 19,60,000$

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

(Q6) Solution -

Each student's pay = Rs 850
 Number of students in the school = 3,127
 Total Money collected = $Rs\ 850 \times 3,127$
 $= 26,57,950$

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

(Q7) Solution -

Number of employees = 25718
 Bonus paid per employee = ~~750~~
 Total amount spent by the company = 25718×750
 $= 17,78,38,500$

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