Multiplication

Word Problems.

Exercise - 5D

1. In a school, each child is required to pay a tuition fees of ₹ 945 per month. Find the total tuition fees paid by a student for 9 months.

Sol^{n}

Tuition fees of ₹ 945 per month.

Number of months = 9

Now

$$\begin{array}{r} 945 \\ \times\ 9 \\ \hline 8505 \end{array}$$

Hence total fees paid ₹ 8505 Answer.

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2. A stove costs ₹ 1876. Find the cost of 5 such stoves

Sol^{n}

Number of stoves are 5

Cost of each stove ₹ 1876

$$\begin{array}{r} 1876 \\ \times\ 5 \\ \hline 9380 \end{array}$$

Hence the total cost of 5 stoves are ₹ 9380 Answer.

3. 156 students from each school of a city are required to participate in a cultural event. How many students will participate in the event from 12 schools of the city?

Sol^{n}

Number of students from each school = 156

and number of schools are 12

Now

$$\begin{array}{r} 156 \\ \times 12 \\ \hline 312 \\ 156\text{x} \\ \hline 1872 \end{array}$$

Hence total numbers of students are 1872 Answer.

—x—

4. On children's day, each child was given 15 chocolates. How many chocolates were given to 783 students?

Sol^{n} Number of chocolates are 15.

Number of students are 783

Now
$$\begin{array}{r} 783 \\ \times\ 15 \\ \hline 3915 \\ 783\times \\ \hline 11745 \end{array}$$

Hence 11,745 chocolates were distributed among the students. Ans.

5. In a school there are 2345 students each in the primary, middle, senior and senior secondary sections respectively. How many students are there in all?

Sol^{n}

Number of students in each section are 2345

and Number of sections are 4

Now
$$\begin{array}{r} 2345 \\ \times\ 4 \\ \hline 9380 \end{array}$$

Hence total numbers of students are 9380 Answer.

6. The heart beats 72 times in a minutes in a healthy person. How many times will it beat in an hour.?

Sol^n

The heart beats 72 times in a minutes.

1 hour = 60 minutes.

Now
$$\begin{array}{r} 72 \\ \times\ 60 \\ \hline 00 \\ 432\ \times \\ \hline 4320 \end{array}$$

Hence the heart beats 4320 times in a hour Answer.

7. A box contains 112 chocolates. How many chocolates will be there in 42 such boxes.

Sol^n

Number of chocolates in each box are 112

Number of boxes are 42.

Now.
$$\begin{array}{r} 112 \\ \times\ 42 \\ \hline 224 \\ 448\ \times \\ \hline 4704 \end{array}$$

Hence total number of chocolates are 4704 Ans.

8. A year has 365 days.
I) How many days are there in 16 years.
II) How many hours are there in a year?

Sol: I) No. of days are 365 in a year.
No of years are 16.

Now
$$\begin{array}{r} 365 \\ \times\ 16 \\ \hline 2190 \\ 365X \\ \hline 5840 \end{array}$$

Hence total no of days are 5840.
Answer.

II No of days are 365 in a year
No of hours in a day are 24

$$\begin{array}{r} 365 \\ \times\ 24 \\ \hline 1460 \\ 730X \\ \hline 8760 \end{array}$$

Hence total no of hours in a year are 8780 Answer

9.

10.

9. In a school, there are 8314 students. If each child is given 4 library books to read, how many books were distributed among the students?

Sol^n

Number of students are 8314.
Number of books are given to each child are 4.

Now. 8314
× 4.
33256 books

Hence 33,256 ~~students~~ were distributed among the children.

10. 15 pencils are to be distributed per students in a school. If there are 389 students in the school, How many pencils are required in all?

Sol^n

Number of students are 389
Number of pencils are 15

Now 389
× 15
1945
3890
5835

Hence 5835 pencils were required in all. Ans.