

SESSION : 13
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 6
CHAPTER NAME : MULTIPLICATION
**SUBTOPIC : WORD PROBLEMS ON
MULTIPLICATION, Q.NO. 7 TO 10**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand how to use the process of multiplication to solve the word problems.

WORD PROBLEMS

7. In a park there are 31,250 flower plants and 78,178 trees in a row. Calculate the total number of trees and plants in 15 such rows.

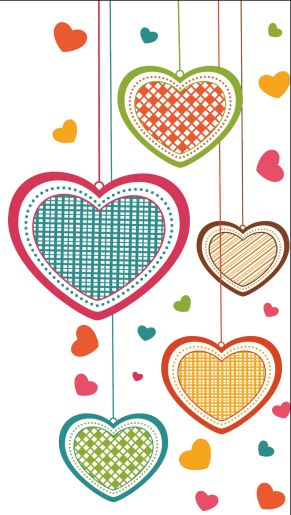
ANSWER Number of flower plants = 31,250

Number of trees = 78,178

Total number of flower plants and trees in a row = 31,250 + 78,178

1,09,428

$$\begin{array}{r} \textcircled{1} \\ 31250 \\ + 78178 \\ \hline 1,09,428 \end{array}$$



WORD PROBLEMS

Total trees and flower plants in 1 row = **1,09,428**

Total trees and flower plants in **15** rows =

$$\begin{array}{r} 192 \\ 048 \\ \hline \overset{\textcircled{1}}{5}92 \\ + 048 \\ \hline 1,140 \end{array}$$

109428×5
 109428×10

16,41,420

Thus, the total number of trees and flower plants in **15** rows are **16,41,420** .



WORD PROBLEMS

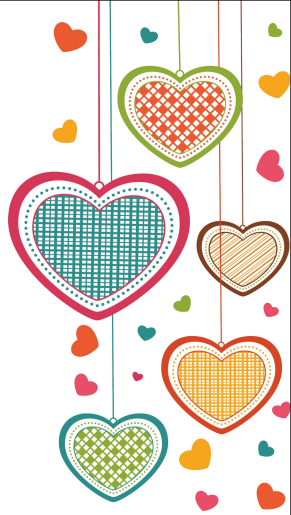
8. What will be the cost of 25 cars, if one car costs Rs.3,24,230?

ANSWER The cost of a car = **Rs.3,24,230**

The cost of **25** cars =

| | | | | | | | | |
|---|----------|-----------|----------|-----------|----------|----------|--------------------------|--|
| | 3 | 2 | 4 | 2 | 3 | 0 | | |
| | | | | × | 2 | 5 | | |
| | | | | | | | | |
| ① | 1 | 6 | 2 | 1 | 1 | 5 | 0 → 3,24,230 × 5 | |
| + | 6 | 4 | 8 | 4 | 6 | 0 | 0 → 3,24,230 × 20 | |
| | | | | | | | | |
| | 8 | 1, | 0 | 5, | 7 | 5 | 0 | |
| | | | | | | | | |

Thus, Rs.**81,05,750** is the cost of **25** cars.



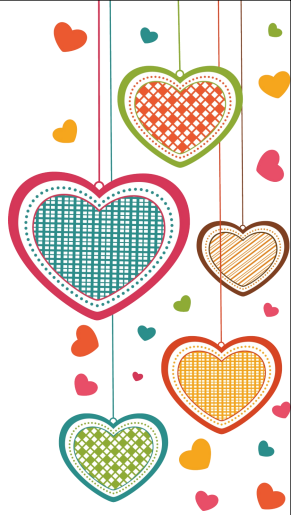
WORD PROBLEMS

9. A man has 10 notes of Rs.2,000 and 19 notes of Rs.500. How much money did he have?

ANSWER Number of **Rs.2,000** notes = **10**

He has total money of **2,000** notes =

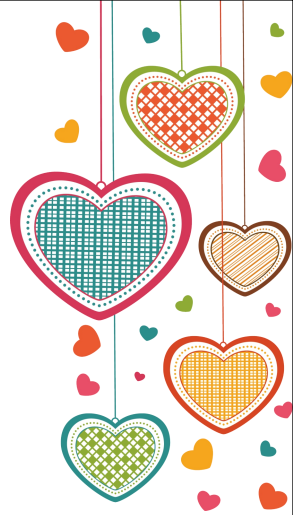
$$\begin{array}{r} 2 \quad 0 \quad 0 \quad 0 \\ \times \quad 1 \quad 0 \\ \hline 0 \quad 0 \quad 0 \quad 0 \longrightarrow 2000 \times 0 \\ + \quad 2 \quad 0 \quad 0 \quad 0 \longrightarrow 2000 \times 10 \\ \hline 2 \quad 0, \quad 0 \quad 0 \quad 0 \end{array}$$



WORD PROBLEMS

Number of **Rs.500** notes = **19**
He has total money of **500** notes =

$$\begin{array}{r} 500 \\ \times 19 \\ \hline 4500 \longrightarrow 500 \times 9 \\ + 5000 \longrightarrow 500 \times 10 \\ \hline 9,500 \end{array}$$



WORD PROBLEMS

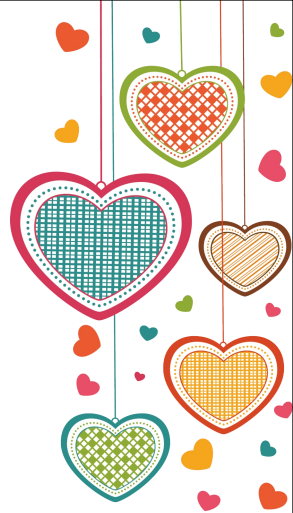
So, the man has total money of 2,000 notes = Rs.**20,000**

And total money of 500 notes = Rs.**9,500**

Then he has total money with him = **20,000 + 9,500 =**

$$\begin{array}{r} \textcircled{1} \\ 20000 \\ + 9500 \\ \hline 29500 \end{array}$$

Thus, the man has total money of Rs.**29,500**.



WORD PROBLEMS

10. A factory produces 3,500 boxes a day. How many boxes will be produced in the month of March and April (March = 31 days, April = 30 days)?

ANSWER Total number of days in March = 31

Total number of days in April = 30

$$\begin{array}{r} \text{Total number of days} = 31 + 30 = \quad 3 \quad 1 \\ + \quad \quad \quad \quad \quad \quad \quad 3 \quad 0 \\ \hline \quad \quad \quad \quad \quad \quad \quad 6 \quad 1 \\ \hline \end{array}$$



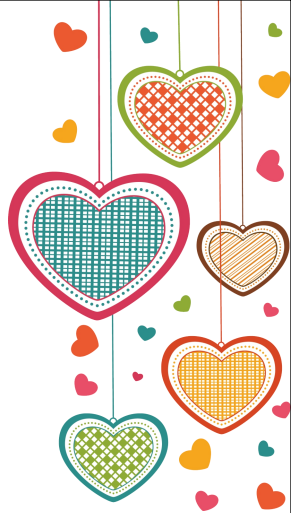
WORD PROBLEMS

The factory produces the boxes in a day = **3,500**

Then the factory will produce boxes in 61
days =

$$\begin{array}{r} \\ \\ \\ \hline 3 \\ \times \\ \hline 3 \longrightarrow 3500 \times 1 \\ + 2 \longrightarrow 3500 \times 60 \\ \hline \mathbf{2, 1, 3, 5, 0, 0} \end{array}$$

Thus, **2,13,500** boxes will be produced in the month of March
and April.



LEARNING OUTCOME:

Students are able to understand how to use the process of multiplication in solving the story sums.

THANKING YOU
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