

SESSION :7

CLASS : I

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 9

CHAPTER NAME : MULTIPLICATION

**SUBTOPIC :MULTIPLICATION: A 2-DIGIT NUMBER BY A
1-DIGIT NUMBER (WITH CARRY OVER)**

EXERCISE BOOK PAGE- 84

CHANGING YOUR TOMORROW

TODAY'S TOPIC

Multiplication: A 2-digit Number by a 1-digit Number
(with carry over)
Book page – 84



MULTIPLICATION: A2-DIGIT NUMBER BY A 1-DIGIT NUMBER

$$\begin{array}{r} 52 \\ \times 4 \\ \hline 208 \end{array}$$

$$\begin{array}{r} 44 \\ \times 2 \\ \hline 88 \end{array}$$

$$\begin{array}{r} 82 \\ \times 3 \\ \hline 246 \end{array}$$

$$\begin{array}{r} 79 \\ \times 1 \\ \hline 79 \end{array}$$


$$\begin{array}{r} 41 \\ \times 4 \\ \hline 164 \end{array}$$

$$\begin{array}{r} 30 \\ \times 3 \\ \hline 90 \end{array}$$



MULTIPLICATION : A 2-DIGIT NUMBER BY A 1-DIGIT NUMBER (WITH CARRY OVER)

Example 1:



	4+3	0
1		8
X		4
7		3 2

Method :

Step 1 : Multiply the ones by 4.

8 ones \times 4 ones = 32 = 3 tens and 2 ones.
Write 2 under ones column and carry over 3 tens to the tens column.

Step 2 : Multiply the tens by 4.

1 ten \times 4 = 4 tens. Add the tens
4 tens + 3 tens (carry over) = 7 tens.
Write 7 under tens column.

Ans. 72

So, 18 multiplied by 4 equals 72

MULTIPLICATION : A 2-DIGIT NUMBER BY A 1-DIGIT NUMBER (WITH CARRY OVER)

Example 1:

12+T 2		O
3		6
X		4
14		24

Diagram illustrating the multiplication of 36 by 4. The tens column (3) and the ones column (6) are circled. A blue arrow points from the 6 to the 4, and a dashed blue arrow points from the 4 to the 2 in the 24. A yellow arrow points from the 6 to the 4. The final result 144 is shown, with the 2 in the tens column circled.

Step 1 : Multiply the ones by 4.
 6 ones X 4 ones = 24 = 2 tens and 4 ones . Write 4 ones in ones column and carry over 2 tens to tens column.

Step 2 : Multiply the tens by 4.
 3 tens X 4 = 12. Now add 12 and 2 = 14. Write 14 under tens column.

So, 36 multiplied by 4 equals 144



C.W
Date:

TODAY'S CLASS WORK

Multiply the following

$$\begin{array}{r} \text{T O} \\ 1 \\ 26 \\ \times 2 \\ \hline 52 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 28 \\ \times 2 \\ \hline 56 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 3 \\ 29 \\ \times 4 \\ \hline 116 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 1 \\ 37 \\ \times 2 \\ \hline 74 \end{array}$$



C.W
Date:

TODAY'S CLASS WORK

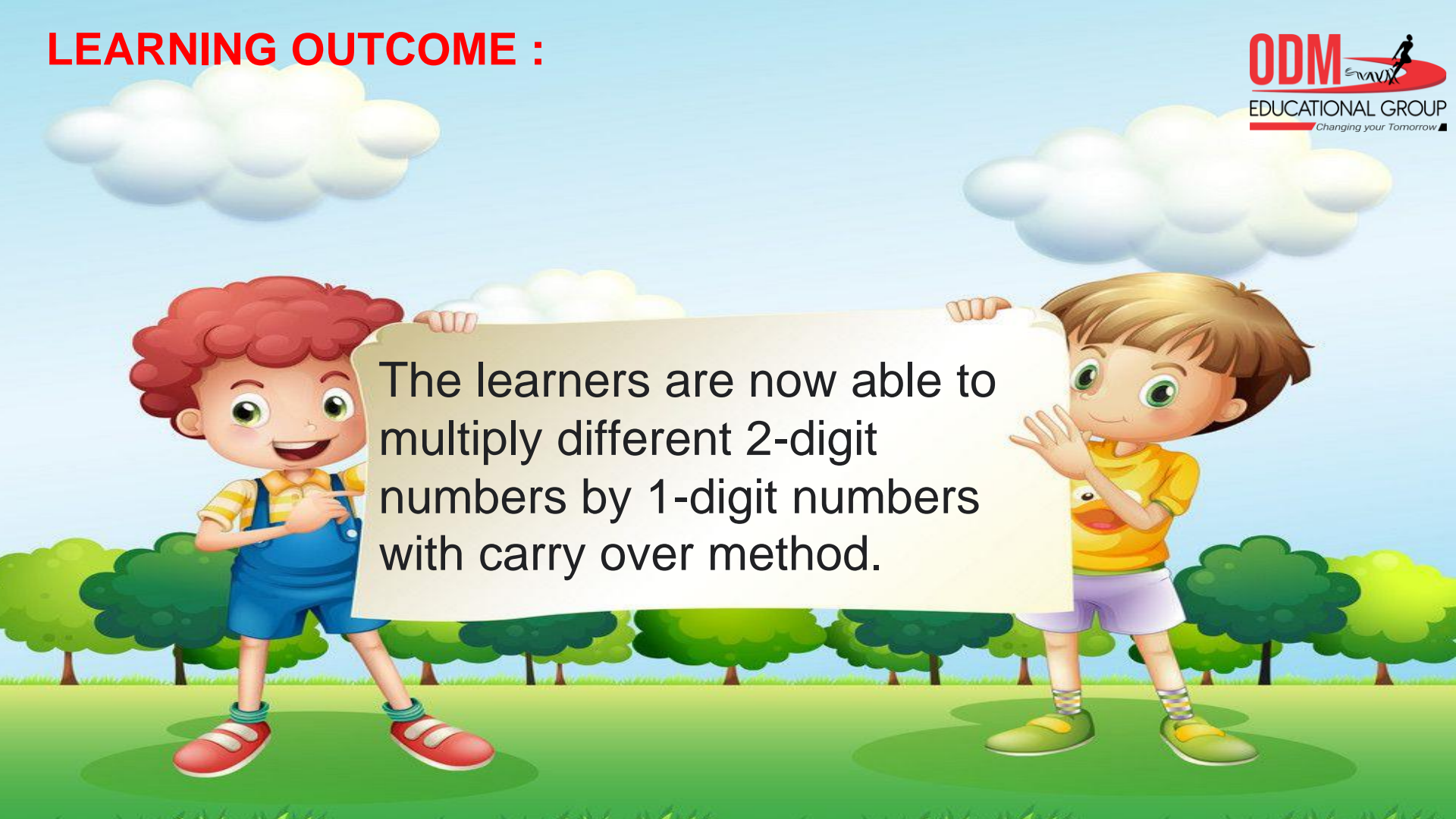
T	0
2	
1	8
X	3
5	4

T	0
2	
1	7
X	4
6	8



SUB	HOME ASSIGNMENT
Mathematics	<hr/>

LEARNING OUTCOME :



The learners are now able to multiply different 2-digit numbers by 1-digit numbers with carry over method.

THANKING YOU
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