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SESSION : 12
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 5
CHAPTER NAME : MULTIPLICATION
SUBTOPIC : REVISION AND MULTIPLICATION OF A 4-DIGIT NUMBER BY 1-DIGIT NUMBER

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LEARNING OBJECTIVE :

The children will

* Develope conceptual understanding
* Identify multiplication problems
* Perform multiplication of a 4-digit number by a 1-digit number
* Students will be able to multiply whole numbers up to four digits by one-digit using strategies based on place value.

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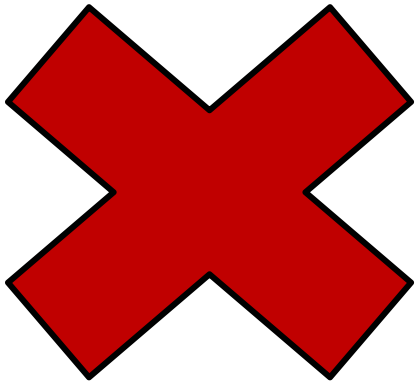
MULTIPLICATION

REVISION AND MULTIPLICATION OF A 4-DIGIT NUMBER BY 1-DIGIT NUMBER

Do you know what is the symbol or sign of MULTIPLICATION



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EXPLANATION

Do you know what a MULTIPLICATION mean ???

MULTIPLICATION is a quick and powerful way of adding the same number over and over again. Or we can say MULTIPLICATION means repeated ADDITION.

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Multiplication:

- The number to be multiplied is called the MULTIPLICAND.
- The number by which we multiply is called the MULTIPLIER.
- The answer is called the PRODUCT.

$$\begin{array}{r} 9 \\ \times\ 7 \\ \hline 63 \end{array}$$

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Let us write few 1- digit numbers.....

6 X 7 = 42

2 X 3 = 6

9 X 5 = 45

3 X 4 = 12

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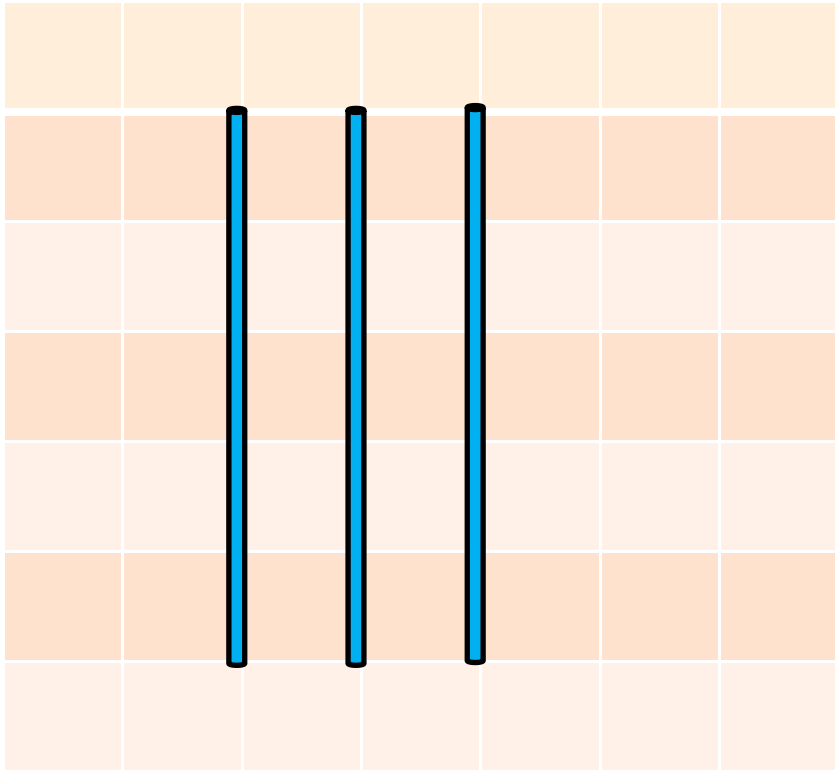
3 x 4 =



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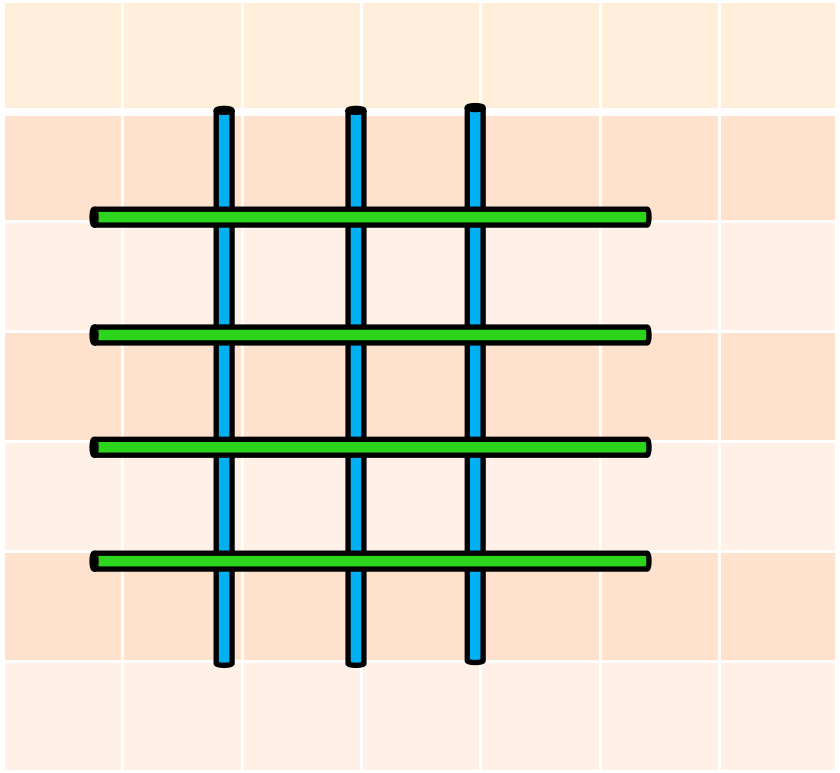
3 x 4 =



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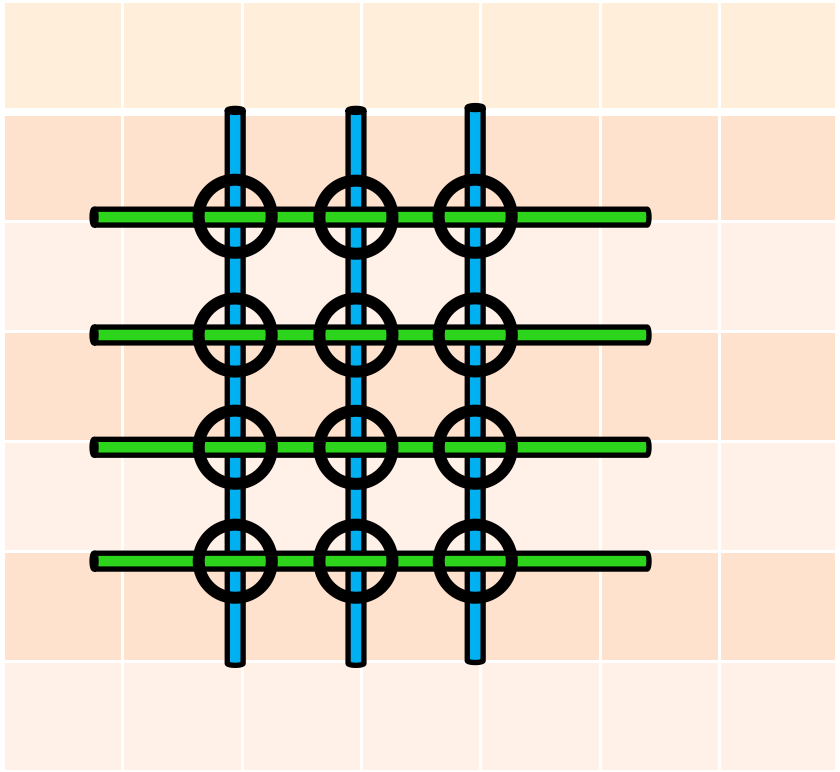
$3 \times 4 = 12$



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Multiplication of 4-digit number x 1-digit number

EXAMPLE

1356 x 7

	2	3	4	
	TH	H	T	O
	1	3	5	6
			x	7
	9	4	9	2

Step1: 7 x 6 ones = 42ones = 4 tens + 2 ones
Write 2 in ones column; carry 4 to tens column

Step2: 7 x 5 ten = 35 tens ; 35 tens + 4 tens = 39 tens.
Write 9 in tens column; carry 3 to hundreds column.

Step3: 7 x 3 hundreds = 21 hundreds + 3 hundreds = 24 hundreds. Write 4 in hundreds column and 2 in thousands column.

Step4: 7 x 1 thousand = 7 thousands + 2 thousands = 9 thousands. Write 9 in thousands column.

Answer : 9 4 9 2

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REMEMBER

"ANY NUMBER MULTIPLIED BY 0 IS ALWAYS 0"

8 X 0 = 0

"ANY NUMBER MULTIPLIED BY 1 IS ALWAYS NUMBER ITSELF"

842 X 1 = 842

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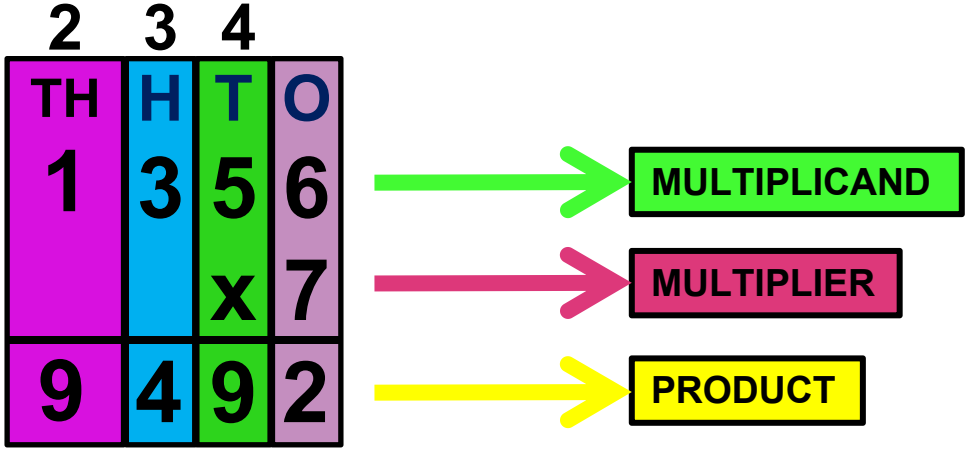

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Exercise-5 A
bk. pg. 76
in notebook.

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Multiply the following.

1.

			2
TH	H	T	O
2	1	0	7
		x	4
8	4	2	8

2.

	2	2	
TH	H	T	O
1	0	6	8
		x	3
3	2	0	4

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3.

	1	2	3
	TH	H	T	O
	1	3	4	6
			x	5
	6	7	3	0

4.

	1	2	2
	TH	H	T	O
	1	3	5	7
			x	4
	5	4	2	8

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5.

	3	4	4
TH	H	T	O
1	7	8	9
		x	5
8	9	4	5

6.

	1	8	8	8
TTH	TH	H	T	O
	1	9	8	9
			x	9
1	7	9	0	1

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7.

	1	7	2	5
	TTH	TH	H	T	O
		1	9	3	7
				x	8
	1	5	4	9	6

8.

	1	2	2
	TH	H	T	O
	2	4	8	9
			x	3
	7	4	6	7

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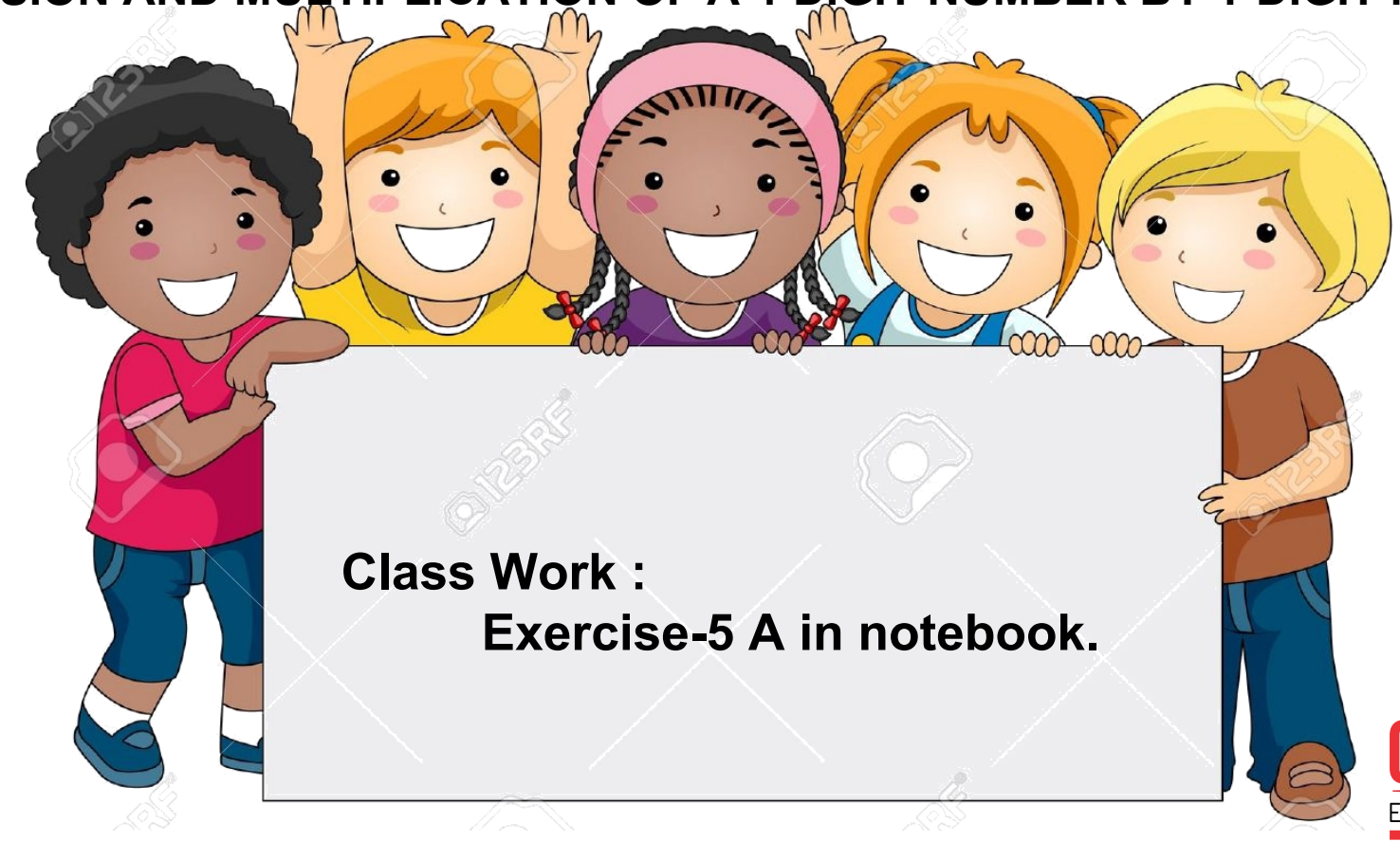

Class Work :

Exercise-5 A in notebook.

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LEARNING OUTCOME:

Children are confident of developing conceptual understanding,identify multiplication problems of a 4-digit number by a 1-digit number also will be able to multiply whole numbers up to four digits by one-digit using strategies based on place value.

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