



Prepared by : Ms. Mohsina.

L. NO 9: Multiplication.

Pre-activity:-

Complete Let's Begin and Tuning in Pg no 102 and 103.

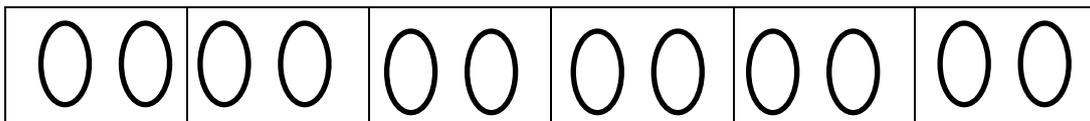
I. 9.1 Multiplication

* Multiplication is a repeated addition.

Ex – $2 + 2 + 2 + 2 + 2 + 2 = 12$

* 'X' is the symbol of multiplication. It means putting together equal groups.

Ex -



6 groups of 2 = 12 or 6 times 2 is 12

Multiplication statement = $6 \times 2 = 12$

* Terms used in multiplication -

1. Multiplication is faster way of adding groups with equal number of items.
2. The two numbers being multiplied are called the multiplier and multiplicand.
3. Two numbers are multiplied to give a product.

	T	O	
		8	→ Multiplicand
x		5	→ Multiplier
	4	0	→ Product

Q. Write the multiplication statement for the following.

a. $3 + 3 + 3 + 3 + 3 = \underline{5 \times 3 = 15}$

b. $6 + 6 + 6 + 6 = 4 \times 6 = 24$

II. 9.2 Multiplication tables.

Table of 1	Table of 2	Table of 3	Table of 4	Table of 5	Table of 6
$1 \times 1 = 1$	$2 \times 1 = 2$	$3 \times 1 = 3$	$4 \times 1 = 4$	$5 \times 1 = 5$	$6 \times 1 = 6$
$1 \times 2 = 2$	$2 \times 2 = 4$	$3 \times 2 = 6$	$4 \times 2 = 8$	$5 \times 2 = 10$	$6 \times 2 = 12$
$1 \times 3 = 3$	$2 \times 3 = 6$	$3 \times 3 = 9$	$4 \times 3 = 12$	$5 \times 3 = 15$	$6 \times 3 = 18$
$1 \times 4 = 4$	$2 \times 4 = 8$	$3 \times 4 = 12$	$4 \times 4 = 16$	$5 \times 4 = 20$	$6 \times 4 = 24$
$1 \times 5 = 5$	$2 \times 5 = 10$	$3 \times 5 = 15$	$4 \times 5 = 20$	$5 \times 5 = 25$	$6 \times 5 = 30$
$1 \times 6 = 6$	$2 \times 6 = 12$	$3 \times 6 = 18$	$4 \times 6 = 24$	$5 \times 6 = 30$	$6 \times 6 = 36$
$1 \times 7 = 7$	$2 \times 7 = 14$	$3 \times 7 = 21$	$4 \times 7 = 28$	$5 \times 7 = 35$	$6 \times 7 = 42$
$1 \times 8 = 8$	$2 \times 8 = 16$	$3 \times 8 = 24$	$4 \times 8 = 32$	$5 \times 8 = 40$	$6 \times 8 = 48$
$1 \times 9 = 9$	$2 \times 9 = 18$	$3 \times 9 = 27$	$4 \times 9 = 36$	$5 \times 9 = 45$	$6 \times 9 = 54$
$1 \times 10 = 10$	$2 \times 10 = 20$	$3 \times 10 = 30$	$4 \times 10 = 40$	$5 \times 10 = 50$	$6 \times 10 = 60$
Table of 7	Table of 8	Table of 9	Table of 10		
$7 \times 1 = 7$	$8 \times 1 = 8$	$9 \times 1 = 9$	$10 \times 1 = 10$		
$7 \times 2 = 14$	$8 \times 2 = 16$	$9 \times 2 = 18$	$10 \times 2 = 20$		
$7 \times 3 = 21$	$8 \times 3 = 24$	$9 \times 3 = 27$	$10 \times 3 = 30$		
$7 \times 4 = 28$	$8 \times 4 = 32$	$9 \times 4 = 36$	$10 \times 4 = 40$		
$7 \times 5 = 35$	$8 \times 5 = 40$	$9 \times 5 = 45$	$10 \times 5 = 50$		
$7 \times 6 = 42$	$8 \times 6 = 48$	$9 \times 6 = 54$	$10 \times 6 = 60$		
$7 \times 7 = 49$	$8 \times 7 = 56$	$9 \times 7 = 63$	$10 \times 7 = 70$		
$7 \times 8 = 56$	$8 \times 8 = 64$	$9 \times 8 = 72$	$10 \times 8 = 80$		
$7 \times 9 = 63$	$8 \times 9 = 72$	$9 \times 9 = 81$	$10 \times 9 = 90$		
$7 \times 10 = 70$	$8 \times 10 = 80$	$9 \times 10 = 90$	$10 \times 10 = 100$		

*Properties of multiplication.

* If we multiply a number by 1, the answer is the number itself.

Ex – $4 \times 1 = 4$

* If we multiply a number by 0, the answer is always 0.

Ex – $4 \times 0 = 0$

* If we change the order of multiplication, the answer remains the same.

Ex – $3 \times 2 = 6$ or $2 \times 3 = 6$

Q. Answer the following.

a. $6 \times 3 = \underline{18}$ b. $9 \times 4 = \underline{36}$

c. $5 \times 5 = \underline{25}$ d. $2 \times 9 = \underline{18}$

III. 9.3 A. Multiplication of 2- and 3-digit numbers with 1-digit numbers without regrouping.

	T	O
	1	3
x		2
	2	6

	T	O
	7	0
x		1
	7	0

	T	O
	1	2
x		4
	4	8

	T	O
	2	3
x		3
	6	9

	H	T	O
	1	2	3
x			2
	2	4	6

	H	T	O
	3	0	2
x			3
	9	0	6

	H	T	O
	4	3	2
x			2
	8	6	4

B. Multiplication of 2-digit numbers with 1-digit numbers with regrouping.

	T	O
	1	
	2	6
x		3
	7	8

	T	O
	1	
	1	6
x		2
	3	2

	T	O
	1	
	1	2
x		8
	9	6

	T	O
	1	
	1	2
x		7
	8	4

IV. Story sums.

a. John bought 6 boxes of pencils and each box has 7 pencils. How many pencils does John have in total?

Given –

Number of pencil boxes = 6

Number of pencils in each box = 7

Solve -

	T	O
	1	
		6
x		7
	4	2

Ans – 42 pencils does John have in total.

b. Pihu has 8 sheets of stickers and each sheet has 10 stickers. How many stickers does Pihu have in all?

Given –

Number of sticker sheets = 8

Number of stickers in each sheet = 10

Solve -

	T	O
	1	
	1	0
x		8
	8	0

Ans – 80 stickers does Pihu have in all.

Post Activity –

Q. Make a small table-diary (2 to 10) and decorate it.

Subject Tr's. Sign

HOD's Sign

Co-ordinator's Sign

Principal's Sign