

Tanmay has 4 toy cars. Each car has 4 wheels. What is the total number of wheels?



So, 4 groups of 4 = 16

We say that, 4 added 4 times equals 16 or 4 times 4 is equal to 16.
We write, $4 \times 4 = 16$.

In each of the above examples, we have added the same number again and again. This is **repeated addition** and we call it **multiplication**.

Let us take one more example.



Total number of eggs = $2 + 2 + 2 + 2 + 2 = 10$

We write it as $5 \times 2 = 10$

We read it as '5 times 2 is 10'.

This is a multiplication fact.

Use Gordova Smart Class Software on the smart board in class to do all the Exercises.



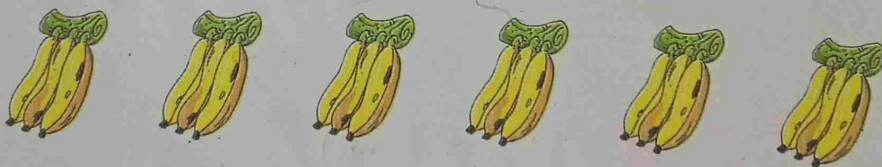
Exercise-1



(According to NEP Guidelines)
(Remembering, Understanding)

1. Fill in the blanks :

(a)

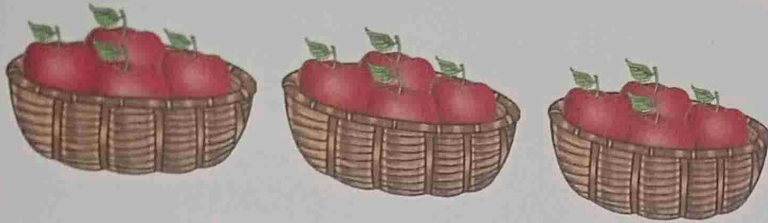


Total number of bananas = $3 + 3 + 3 + 3 + 3 + 3 = 18$

We write it as $6 \times 3 = 18$

We read it as '6 times 3 is 18'.

(b)



Total number of apples = $4 + 4 + 4 = 12$

We write it as 3 times $4 = 12$

We read it as '..... 3 times 4 is 12'

(c)



Total number of balloons = $5 + 5 + 5 + 5 = 20$

We write it as 4 times $5 = 20$

We read it as '..... 4 times 5 is 20'

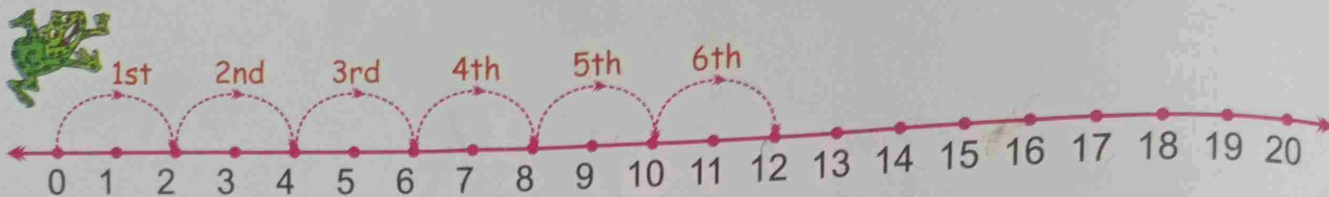
2. Complete the table:

Addition form	Multiplication form	Total
$3 + 3$	2×3	6
$1 + 1 + 1 + 1$	4×1	4
$4 + 4 + 4 + 4 + 4$	5×4	20
$10 + 10 + 10$	3×10	30

TEACHER TIP

The students need to understand the concept of multiplication as repeated addition of the same number and the correct way of writing it. Actual multiplication is not required at this stage.

Multiplication on the Number Line



6 jumps of 2 = 6 times 2 = $6 \times 2 = 12$

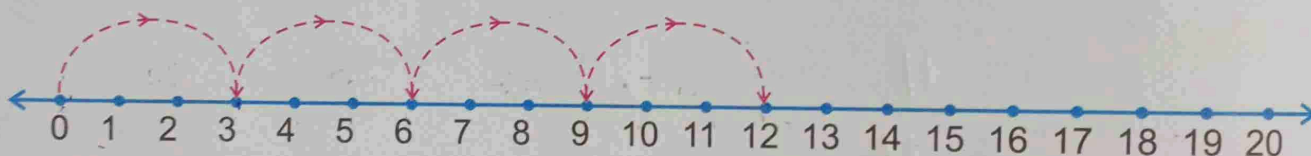
Exercise-2

(According to NEP Guidelines)
(Understanding)

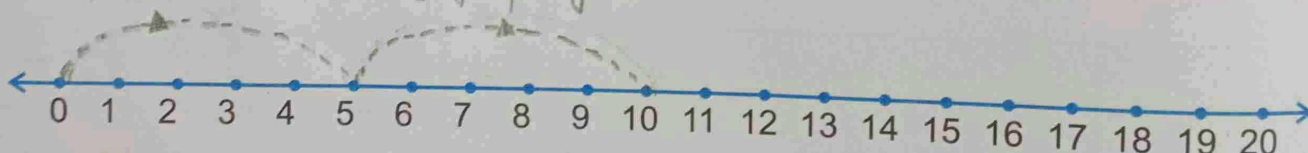
Multiply on the number line. One has been done for you.

1. $4 \times 3 = 12$ (4 times 3 = 12)

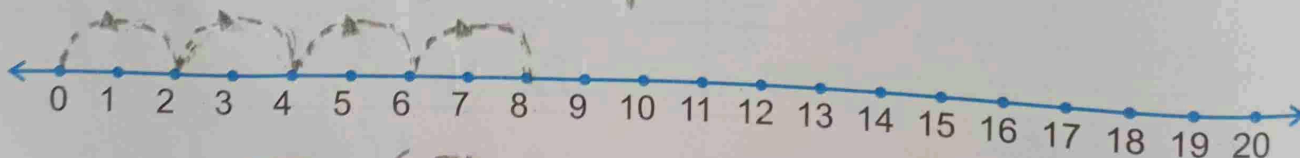
(Make 4 jumps of 3 each.)



2. $5 \times 2 = 10$ (5 times 2 = 10)
(Make 5 jumps of 2 each)



3. $2 \times 4 = 8$ (2 Times 4 = 8)
(Make 2 jumps of 4 each)



4. $3 \times 5 = 15$ (3 Times 5 = 15)
(Make 3 jumps of 5 each)

