Lesson plan

REFERENCE



Introduction to multiplication

Objective:

- 5 To understand the concept of multiplication.
- To understand that multiplication is repeated addition.

Knowledge base



Check student's knowledge on addition of numbers, Give some quick examples to check their knowledge,

Examples: 4+4=, 8+8=, 2+2+2+2=

Rationalise



Question and answer session using an activity.

Ask the students to observe the arrangements of benches and desks in the classroom.

Find the number of rows in which the benches are arranged.

How many benches are there in each row?

For example: If you see 4 benches in each row and there are 3 rows, then 4 + 4 + 4 = 124 repeated three times, that is, 4 times 3 is 12.

Ask the students to note the following:

- Observe that each group has an equal number
- 2. Repeated addition is called multiplication
- 3. 'x' is the symbol of multiplication
- Multiplication of any two numbers is the same in any order

Let students work on questions given in the text book.

Intensify



Ask students to work out the homework problems.

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Outcome

Student knows that multiplication is repeated addition.





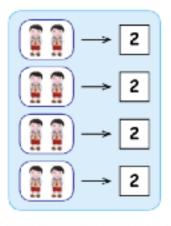


Multiplication

REFERENCE



Introduction to multiplication



A teacher asked her students to pair up and form teams to play a game.

4 pairs of children formed 4 teams.

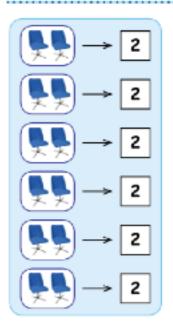
How many were there in a team? 2 students

So, in four teams there were:

$$2+2+2+2=8$$
 students. There were four 2s.

or

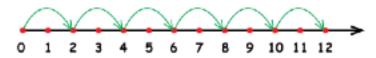
4 times 2 is 8.



There are 6 rows of 2 chairs each. Find how many chairs are there?

Or 6 times 2 is

Also, 6 times 2 is the same as starting from 0 and counting by 2s 6 times.



Observe that each group has an equal number.

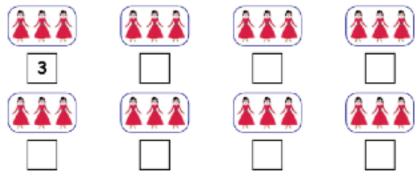






Multiplication

Students of a class formed 8 groups. Each group had 3 children. Find the number of students in the class.



Observe that there are equal numbers in each group.

- Now, add 8 times 3
- ❖ Number of children = 3+3+3+3+3+3+3+3. This is repeated addition

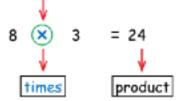


Repeated addition is called multiplication

The answer we get after the multiplication is called the product.

or it is called multiplication

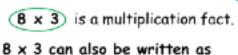
So, 8 times 3 is 24



Multiply 8 by 3 means:



We read as 8 into 3 or 8 multiplied by 3.





multiplication.

Read as eight threes are 24. The product of 8 and 3 is 24.

'x' is the symbol for



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Fill up the following. (One is done for you.)

1





2



6

3 groups of

is

3 ×

2 6 =

(2)











3

3

=

5 groups of

is

=

5 ×

(3)









4 groups of

is



4











=

5 groups of

5

is











Homework

REFERENCE



Introduction to multiplication

Count the groups and find the product for the following:

1 999 999 999
4 groups of is
4 x =
_ + _ + _ =
3 groups of is
3 x =
3
5 groups of is
5 x =
Words to remember Outcome
multiplication
indiciprication product in I have learnt that multiplication is repeated addition.





