

Class: 3

Subject: Mathematics

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Date: 4/5/2020

Chapter: Multiplication

Lecture -1 notes

The multiplication of whole numbers may be thought as a repeated addition .

At the end of the chapter, we will able to.

- Tell and write Multiplication table 1to 20.
- Identify terms of multiplication.

Instructions:

- ✓ Read your book properly
- ✓ Recite times table every day'
- ✓ To solve calculation quickly you have to memorize times table without any short – cut method.

Part-1

Basic concept of multiplication:

How many apples are there the in this picture?

By counting one by one in total 12 apples.

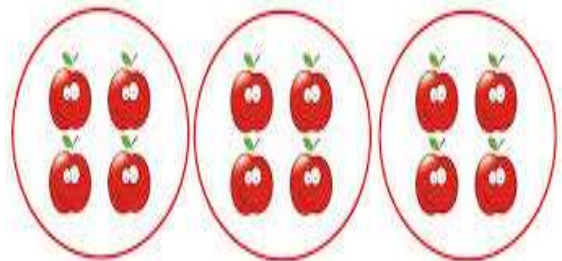
By group counting

There are 3 groups in the pictures.

Each groups has 4 apples.

$$4 + 4 + 4 = 12$$

Here, the number four repeated three times. So, multiplication is when you take one number and add it together a number of times.



Multiplication table:

TABLE 1	
1 X 1 =	1
1 X 2 =	2
1 X 3 =	3
1 X 4 =	4
1 X 5 =	5
1 X 6 =	6
1 X 7 =	7
1 X 8 =	8
1 X 9 =	9
1 X 10 =	10

TABLE 2	
2 X 1 =	2
2 X 2 =	4
2 X 3 =	6
2 X 4 =	8
2 X 5 =	10
2 X 6 =	12
2 X 7 =	14
2 X 8 =	16
2 X 9 =	18
2 X 10 =	20

TABLE 3	
3 X 1 =	3
3 X 2 =	6
3 X 3 =	9
3 X 4 =	12
3 X 5 =	15
3 X 6 =	18
3 X 7 =	21
3 X 8 =	24
3 X 9 =	27
3 X 10 =	30

TABLE 4	
4 X 1 =	4
4 X 2 =	8
4 X 3 =	12
4 X 4 =	16
4 X 5 =	20
4 X 6 =	24
4 X 7 =	28
4 X 8 =	32
4 X 9 =	36
4 X 10 =	40

TABLE 5	
5 X 1 =	5
5 X 2 =	10
5 X 3 =	15
5 X 4 =	20
5 X 5 =	25
5 X 6 =	30
5 X 7 =	35
5 X 8 =	40
5 X 9 =	45
5 X 10 =	50

TABLE 6	
6 X 1 =	6
6 X 2 =	12
6 X 3 =	18
6 X 4 =	24
6 X 5 =	30
6 X 6 =	36
6 X 7 =	42
6 X 8 =	48
6 X 9 =	54
6 X 10 =	60

TABLE 7	
7 X 1 =	7
7 X 2 =	14
7 X 3 =	21
7 X 4 =	28
7 X 5 =	35
7 X 6 =	42
7 X 7 =	49
7 X 8 =	56
7 X 9 =	63
7 X 10 =	70

TABLE 8	
8 X 1 =	8
8 X 2 =	16
8 X 3 =	24
8 X 4 =	32
8 X 5 =	40
8 X 6 =	48
8 X 7 =	56
8 X 8 =	64
8 X 9 =	72
8 X 10 =	80

TABLE 9	
9 X 1 =	9
9 X 2 =	18
9 X 3 =	27
9 X 4 =	36
9 X 5 =	45
9 X 6 =	54
9 X 7 =	63
9 X 8 =	72
9 X 9 =	81
9 X 10 =	90

TABLE 10	
10 X 1 =	10
10 X 2 =	20
10 X 3 =	30
10 X 4 =	40
10 X 5 =	50
10 X 6 =	60
10 X 7 =	70
10 X 8 =	80
10 X 9 =	90
10 X 10 =	100

TABLE 11	
11 X 1 =	11
11 X 2 =	22
11 X 3 =	33
11 X 4 =	44
11 X 5 =	55
11 X 6 =	66
11 X 7 =	77
11 X 8 =	88
11 X 9 =	99
11 X 10 =	110

TABLE 12	
12 X 1 =	12
12 X 2 =	24
12 X 3 =	36
12 X 4 =	48
12 X 5 =	60
12 X 6 =	72
12 X 7 =	84
12 X 8 =	96
12 X 9 =	108
12 X 10 =	120

TABLE 13	
13 X 1 =	13
13 X 2 =	26
13 X 3 =	39
13 X 4 =	52
13 X 5 =	65
13 X 6 =	78
13 X 7 =	91
13 X 8 =	104
13 X 9 =	117
13 X 10 =	130

TABLE 14	
14 X 1 =	14
14 X 2 =	28
14 X 3 =	42
14 X 4 =	56
14 X 5 =	70
14 X 6 =	84
14 X 7 =	98
14 X 8 =	112
14 X 9 =	126
14 X 10 =	140

TABLE 15	
15 X 1 =	15
15 X 2 =	30
15 X 3 =	45
15 X 4 =	60
15 X 5 =	75
15 X 6 =	90
15 X 7 =	105
15 X 8 =	120
15 X 9 =	135
15 X 10 =	150

TABLE 16	
16 X 1 =	16
16 X 2 =	32
16 X 3 =	48
16 X 4 =	64
16 X 5 =	80
16 X 6 =	96
16 X 7 =	112
16 X 8 =	128
16 X 9 =	144
16 X 10 =	160

TABLE 17	
17 X 1 =	17
17 X 2 =	34
17 X 3 =	51
17 X 4 =	68
17 X 5 =	85
17 X 6 =	102
17 X 7 =	119
17 X 8 =	136
17 X 9 =	153
17 X 10 =	170

TABLE 18	
18 X 1 =	18
18 X 2 =	36
18 X 3 =	54
18 X 4 =	72
18 X 5 =	90
18 X 6 =	108
18 X 7 =	126
18 X 8 =	144
18 X 9 =	162
18 X 10 =	180

TABLE 19	
19 X 1 =	19
19 X 2 =	38
19 X 3 =	57
19 X 4 =	76
19 X 5 =	95
19 X 6 =	114
19 X 7 =	133
19 X 8 =	152
19 X 9 =	171
19 X 10 =	190

TABLE 20	
20 X 1 =	20
20 X 2 =	40
20 X 3 =	60
20 X 4 =	80
20 X 5 =	100
20 X 6 =	120
20 X 7 =	140
20 X 8 =	160
20 X 9 =	180
20 X 10 =	200

Assess your learning

1. Recite 1 to 10 multiplication in 4 minutes.
2. Fill in the blanks

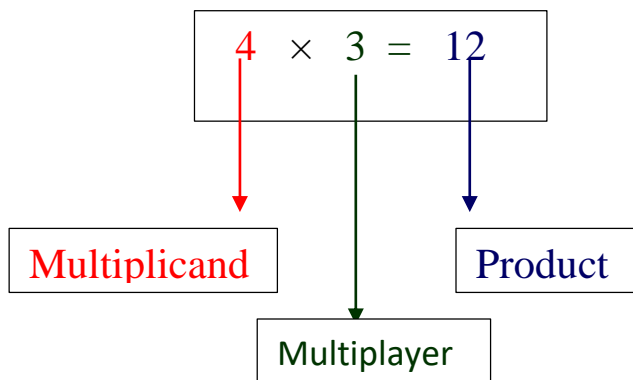
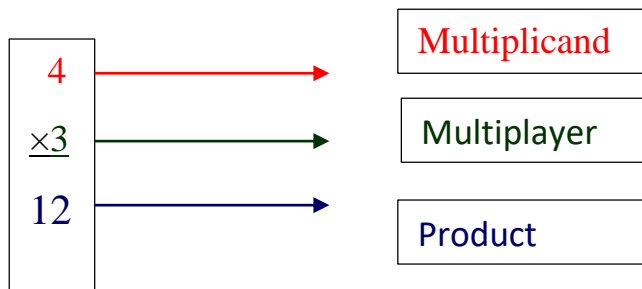
20 TIMES TABLE CHART 1																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Part-2

Introducing of Multiplication terms:

In a multiplication problem the number on the top is called the multiplicand.

The number by which it is multiplied, that is, the bottom number is called the multiplier. The answer of a multiplication problem is called product.



Assess your learning

1. Find out product and Identify multiplicand and multiplier:

a. $5 \times 4 =$

e. 6
 $\times 8$

g. 4
 $\times 4$

b. $1 \times 3 =$

f. 9
 $\times 7$

h. 5
 $\times 5$

d. $8 \times 2 =$