

Class 4. Mathematics Chapter :
Multiples and Factors

Students please watch the video attentively.

<https://youtu.be/gSDhfrPu4U>

Understanding Multiples. When 2 or more numbers are multiplied the product is called the multiple of each of the numbers being multiplied.

Properties of multiples:

1. Every number is a multiple of itself. 2. Every number is a multiple of 1. 3. The smallest (first) multiple of a number is the number itself. 4. Every multiple of a number is equal to or greater than the number itself. 5. There is no largest multiple of a number as multiples are infinite. 6. A multiple of a number is divisible by the number. To find the Multiples of a number, multiply it by 1,2,3,4 and so on.

Exercise 5.1..B,C,D,E,F,G.on pages 75 & 76.

Common Multiples A number that is a multiple of 2 or more numbers is called a common multiple. Therefore 12 and 24 are common multiples of 3 and 4.

Exercise 5.2.page 78.(B) numbers 1-5

Factors When 2 or more numbers are multiplied the answer is called the product. Each of the numbers being multiplied is called the factor of the product.

Properties of Factors:

1. 1 is a factor of all numbers.
2. 1 is the smallest factor of a number.
3. A number is a factor of itself.
4. A number itself is the greatest factor of itself.
5. The factor of a number is smaller than or equal to the number.
6. Every number (except 1) has at least 2 factors, that is, 1 and itself.

Finding Factors using multiplication. For example :find the factors of 18
Factors of 18 can be 1×18 , 2×9 , 3×6 So the factors of 18 are 1, 2, 3, 6, 9, 18

Finding Factors using division. For

example.find the factors of 18 $18 \div 1 = 18$, $18 \div 2 = 9$, $18 \div 3 = 6$
 $18 \div 6 = 3$, $18 \div 9 = 2$, $18 \div 18 = 1$ Therefore
the factors of 18 are 1,2,3,6,9&18

Exercise 5.3. page 81.B & C

Common Factors. Write all the factors
of 9 & 12 Factors of 9 are 1, 3, 9
Factors of 12 are 1, 2, 3, 4, 6, 12
Therefore common Factors are 1 & 3

Exercise 5.4.page 82. A.numbers 1 - 8

Students please do the exercises in your exercise books.Kindly mention the date and page
number clearly n do the work neatly.

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