

## LESSON 1

# Products of Primes

We are all familiar with the Natural numbers and the whole numbers 0, 1, 2, 3...

These numbers tell us “how many.”

Some of the Natural numbers have only two factors. These special numbers are called **PRIME NUMBERS**. “5” is a prime number. The two factors of 5 are 1 and 5 since  $1 \times 5 = 5$ .

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### Table of Primes to 97

2 3 5 7 11 13 17 19 23 29 31 37 41  
43 47 53 59 61 67 71 73 79 83 89 97

When Prime numbers are multiplied together they form a product that is a composite number.

Example:  $2 \times 3 \times 3 =$

Answer: **18**

Multiply the first two numbers and get 6 then multiply  $6 \times 3 = 18$ .

Therefore  $2 \times 3 \times 3 = 18$

# Multiply The Prime Numbers To Find Their Composite Number

1.	$2 \times 2 =$	22.	$3 \times 19 =$	43.	$2 \times 2 \times 23 =$
2.	$2 \times 3 =$	23.	$3 \times 23 =$	44.	$2 \times 3 \times 3 =$
3.	$2 \times 5 =$	24.	$3 \times 29 =$	45.	$2 \times 3 \times 5 =$
4.	$2 \times 7 =$	25.	$3 \times 31 =$	46.	$2 \times 3 \times 7 =$
5.	$2 \times 11 =$	26.	$5 \times 5 =$	47.	$2 \times 3 \times 11 =$
6.	$2 \times 13 =$	27.	$5 \times 7 =$	48.	$2 \times 3 \times 13 =$
7.	$2 \times 17 =$	28.	$5 \times 11 =$	49.	$2 \times 5 \times 5 = 5$
8.	$2 \times 19 =$	29.	$5 \times 13 =$	50.	$2 \times 5 \times 7 =$
9.	$2 \times 23 =$	30.	$5 \times 17 =$	51.	$3 \times 3 \times 3 =$
10.	$2 \times 29 =$	31.	$5 \times 19 =$	52.	$3 \times 3 \times 5 =$
11.	$2 \times 31 =$	32.	$7 \times 7 =$	53.	$3 \times 3 \times 7 =$
12.	$2 \times 37 =$	33.	$7 \times 11 =$	54.	$3 \times 3 \times 11 =$
13.	$2 \times 41 =$	34.	$7 \times 13 =$	55.	$2 \times 2 \times 2 \times 2 =$
14.	$2 \times 43 =$	35.	$2 \times 2 \times 2 =$	56.	$2 \times 2 \times 2 \times 3 =$
15.	$2 \times 47 =$	36.	$2 \times 2 \times 3 =$	57.	$2 \times 2 \times 2 \times 5 =$
16.	$3 \times 3 =$	37.	$2 \times 2 \times 5 =$	58.	$2 \times 2 \times 2 \times 7 =$
17.	$3 \times 5 =$	38.	$2 \times 2 \times 7 =$	59.	$2 \times 2 \times 2 \times 11 =$
18.	$3 \times 7 =$	39.	$2 \times 2 \times 11 =$	60.	$2 \times 2 \times 3 \times 3 =$
19.	$3 \times 11 =$	40.	$2 \times 2 \times 13 =$	61.	$2 \times 2 \times 3 \times 5 =$
20.	$3 \times 13 =$	41.	$2 \times 2 \times 17 =$	62.	$2 \times 2 \times 3 \times 7 =$
21.	$3 \times 17 =$	42.	$2 \times 2 \times 19 =$	63.	$2 \times 2 \times 5 \times 5 =$