**GROUP VI**

**TABLE METHOD**

**Example 1**

**Perform a multiplication of the factors: 34x53=?**

Let’s make a table consisting of two columns, one for each number:

 **34 53**

Now, let’s divide first number by two till the moment it will be the last integer. If during the division number with a fraction will occur, we skip the fraction and write only the integer.

|  |  |
| --- | --- |
|  **34**  |  **53** |
| 17 |  |
| 8 |  |
| 4 |  |
| 2 |  |
| 1 |  |

 **8,5** BUT we skip the fraction!

Now we multiply the second number the same number of times as we did division:

|  |  |
| --- | --- |
|  **34**  |  **53** |
| 17 | 106 |
| 8 | 212 |
| 4 | 424 |
| 2 | 848 |
| 1 | 1696 |

Another thing to do is to find in the first column all of the odd numbers. In our case it is 17 and 1.

Now we search counterparts of our numbers in the second column of the table.

|  |  |
| --- | --- |
|  **34**  |  **53** |
| 17 | 106 |
| 8 | 212 |
| 4 | 424 |
| 2 | 848 |
| 1 | 1696 |

At the end we perform an addition of these two numbers from the second column and our product is 1802.
This is the final solution.

**SUMMATION**

**To perform a multiplication of the factors you should:**

1. **Make a table with two columns, one for each number.**
2. **Divide first number by two till the moment it will became the first integer.**
3. **Multiply second number the same number of times that we did division.**
4. **Search odd numbers in first column.**
5. **Find counterparts of these numbers in the second column.**
6. **Add found number numbers.**

**EXERCISES**

Perform a multiplication of the factors:

1. 124x22=?
2. 66x34=?
3. 28x45=?