

ਚੜ੍ਹਦੇ ਤੇ ਲੜਦੇ



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Śrī Guru praṇāma

om ajñāna-timirāndhasya
jñānāñjana-śalākayā
cakṣur unmīlitaṁ yena
tasmai śrī-gurave namaḥ



Prayers to Srila Prabhupada

nama om viṣṇu-pādāya kṛṣṇa-preṣṭhāya bhū-tale
śrīmate bhaktivedānta-svāmin iti nāmine

namas te sārāsvate deve gaura-vāṇī-pracāriṇe
nirviśeṣa-śūnyavādi-pāścātya-deśa-tāriṇe



Sri Caitanya
Mahaprabhu

Nityananda
Prabhu

Gadadhara
Pandit

Advaita
Acarya

Srivas
Thakur

Śrī Pañca-tattva praṇāma

śrī-kṛṣṇa-caitanya
prabhu-nityānanda
śrī-advaita gadādhara
śrīvāsādi-gaura-bhakta-vṛnda

Mahamantra

Hare Kṛṣṇa Hare Kṛṣṇa
Kṛṣṇa Kṛṣṇa Hare Hare
Hare Rāma Hare Rāma
Rāma Rāma Hare Hare

What is Vedic Mathematics ?

The “Vedic Mathematics” is called so because of its origin from Vedas. To be more specific it has originated from “Atharva Vedas” the fourth Veda. “Atharva Veda” deals with the branches like Engineering, Mathematics, Sculpture, Medicine and all other sciences with which we are today aware of. Vedic Mathematics was rediscovered from the Vedas between 1911 and 1918 by Sri Bharati Krsna Tirthaji (1884-1960). According to his research all of mathematics is based on sixteen Sutras or word-formulae and thirteen sub-sutras. For example, ‘Vertically and Crosswise’ is one of these Sutras. These formulae describe the way the mind naturally works and are therefore a great help in directing the student to the appropriate method of solution.

Perhaps the most striking feature of the Vedic system is its coherence. Instead of a hotch-potch of unrelated techniques the whole system is beautifully interrelated and unified: the general multiplication method, for example, is easily reversed to allow one-line divisions and the simple squaring method can be reversed to give one-line square roots. And these are all easily understood. This unifying quality is very satisfying, it makes mathematics easy and enjoyable and encourages innovation.

In the Vedic system ‘difficult’ problems or huge sums can often be solved immediately by the Vedic method. These striking and beautiful methods are just a part of a complete system of mathematics which is far more systematic than the modern ‘system’. Vedic Mathematics manifests the coherent and unified structure of mathematics and the methods are complementary, direct and easy.

The simplicity of Vedic Mathematics means that calculations can be carried out mentally (though the methods can also be written down). There are many advantages in using a flexible, mental system. Pupils can invent their own methods, they are not limited to the one ‘correct’ method. This leads to more creative, interested and intelligent pupils.

Interest in the Vedic system is growing in education where mathematics teachers are looking for something better and finding the Vedic system is the answer. Research is being carried out in many areas including the effects of learning Vedic Maths on children; developing new, powerful but easy applications of the Vedic Sutras in geometry, calculus, computing etc.

But the real beauty and effectiveness of Vedic Mathematics cannot be fully appreciated without actually practising the system. One can then see that it is perhaps the most refined and efficient mathematical system possible.

The Sixteen Main Sutras

1. By one more than the one before.
2. All from 9 and the last from 10.
3. Vertically and Cross-wise
4. Transpose and Apply
5. If the Samuccaya is the Same it is Zero
6. If One is in Ratio the Other is Zero
7. By Addition and by Subtraction
8. By the Completion or Non-Completion
9. Differential Calculus
10. By the Deficiency
11. Specific and General
12. The Remainders by the Last Digit
13. The Ultimate and Twice the Penultimate
14. By One Less than the One Before
15. The Product of the Sum
16. All the Multipliers

The Thirteen Sub Sutras

1. Proportionately
2. The Remainder Remains Constant
3. The First by the First and the Last by the Last
4. For 7 the Multiplicand is 143
5. By Osculation
6. Lessen by the Deficiency
7. Whatever the Deficiency lessen by that amount and
set up the Square of the Deficiency
8. Last Totalling 10
9. Only the Last Terms
10. The Sum of the Products
11. By Alternative Elimination and Retention
12. By Mere Observation
13. The Product of the Sum is the Sum of the Products

1. Multiplication Base 10 - Nikhilam



Session I

C. One number more than 10 and one less than 10

$$\begin{array}{r} 7 \\ \times 12 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 14 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 18 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 14 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 16 \\ \hline \hline \end{array}$$

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1. Multiplication Base 10 - Nikhilam



Session I

B. Both numbers less than 10

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \hline \end{array}$$

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1. Multiplication Base 10 - Nikhilam



Session I

A. Both numbers more than 10

$$\begin{array}{r} 12 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times 12 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 11 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 14 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 15 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 18 \\ \hline \hline \end{array}$$

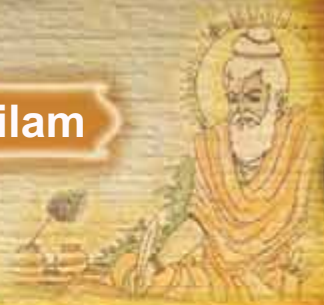
$$\begin{array}{r} 14 \\ \times 16 \\ \hline \hline \end{array}$$

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1. Multiplication Base 100 - Nikhilam

Session II

A. Both numbers more than 100

$$\begin{array}{r} 102 \\ \times 105 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 104 \\ \times 102 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 102 \\ \times 107 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 106 \\ \times 103 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 109 \\ \times 104 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 107 \\ \times 105 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 101 \\ \times 112 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 104 \\ \times 106 \\ \hline \hline \end{array}$$

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1. Multiplication Base 100 - Nikhilam



Session II

B. Both numbers less than 100

$$\begin{array}{r} 97 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 98 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 92 \\ \times 97 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 94 \\ \times 95 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 99 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 91 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 92 \\ \hline \hline \end{array}$$

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1. Multiplication Base 100 - Nikhilam



Session II

C. One number more than 100 and one less than 100

$$\begin{array}{r} 97 \\ \times 102 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 103 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 104 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 103 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 104 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 105 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 91 \\ \times 112 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 94 \\ \times 106 \\ \hline \hline \end{array}$$

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2. Multiplication Base 50 - Nikhilam



Session II

$$\begin{array}{r} 57 \\ \times 52 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 54 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 51 \\ \times 55 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 49 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 47 \\ \times 46 \\ \hline \hline \end{array}$$

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3. Multiplication Base 20 - Nikhilam



Session II

$$\begin{array}{r} 23 \\ \times 25 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 24 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 26 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 19 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 18 \\ \hline \hline \end{array}$$

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2. Addition - Dot Method



Session III

$$\begin{array}{r} 2347 \\ 1456 \\ 5687 \\ +3259 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 4578 \\ 1356 \\ 5889 \\ +3321 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 2356 \\ 7823 \\ 3673 \\ +1537 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5896 \\ 5978 \\ 1456 \\ +8782 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5721 \\ 8926 \\ 1355 \\ +3247 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1235 \\ 4568 \\ 2896 \\ +2575 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 9865 \\ 1593 \\ 5628 \\ +4298 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 2657 \\ 6478 \\ 6582 \\ +7652 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5628 \\ 1254 \\ 5895 \\ +1589 \\ \hline \hline \end{array}$$

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2. Addition - Dot Method



Session III

$$\begin{array}{r} 5347 \\ 1755 \\ 6647 \\ +6478 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5889 \\ 1356 \\ 6839 \\ +3321 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5356 \\ 7823 \\ 5638 \\ +6537 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 4896 \\ 5778 \\ 3856 \\ +8382 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 1721 \\ 3226 \\ 1335 \\ +3244 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 4235 \\ 3368 \\ 2836 \\ +2571 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 3865 \\ 1793 \\ 5668 \\ +4295 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 3657 \\ 6378 \\ 6522 \\ +7651 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 3628 \\ 1254 \\ 3835 \\ +4534 \\ \hline \hline \end{array}$$

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2. Subtraction – Compliment Method



Session IV

$$\begin{array}{r} 100 \\ - 73 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 1000 \\ - 995 \\ \hline \end{array}$$

$$\begin{array}{r} 1000 \\ - 872 \\ \hline \end{array}$$

$$\begin{array}{r} 1000 \\ - 795 \\ \hline \end{array}$$

$$\begin{array}{r} 1000 \\ - 587 \\ \hline \end{array}$$

$$\begin{array}{r} 1000 \\ - 779 \\ \hline \end{array}$$

$$\begin{array}{r} 10000 \\ - 8697 \\ \hline \end{array}$$

$$\begin{array}{r} 10000 \\ - 8868 \\ \hline \end{array}$$

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2. Subtraction – Compliment Method



Session IV

$$\begin{array}{r} 10000 \\ - 7589 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 10000 \\ - 9897 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 10000 \\ - 8897 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 146 \\ - 69 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 132 \\ - 66 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 145 \\ - 69 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 127 \\ - 59 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 124 \\ - 17 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 264 \\ - 39 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 128 \\ - 46 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 297 \\ - 69 \\ \hline \hline \end{array}$$

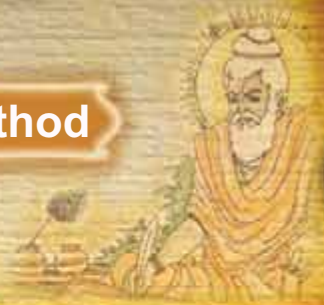
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2. Subtraction – Compliment Method



Session IV

$$\begin{array}{r} 3532 \\ - 587 \\ \hline \end{array}$$

$$\begin{array}{r} 1345 \\ - 683 \\ \hline \end{array}$$

$$\begin{array}{r} 2629 \\ - 463 \\ \hline \end{array}$$

$$\begin{array}{r} 4528 \\ - 1658 \\ \hline \end{array}$$

$$\begin{array}{r} 42432 \\ - 5918 \\ \hline \end{array}$$

$$\begin{array}{r} 26321 \\ - 7808 \\ \hline \end{array}$$

$$\begin{array}{r} 36457 \\ - 16998 \\ \hline \end{array}$$

$$\begin{array}{r} 17042 \\ - 9531 \\ \hline \end{array}$$

$$\begin{array}{r} 572122 \\ - 488013 \\ \hline \end{array}$$

$$\begin{array}{r} 526089 \\ - 511086 \\ \hline \end{array}$$

$$\begin{array}{r} 563157 \\ - 381381 \\ \hline \end{array}$$

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1. Tables - 10x10



Session V

Finger Method

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2. Tables - 20x20



Session V

Multiplication Base 10 - Nikhilam

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3. Tables - 20x10



Session V

Multiplication Base 10 - Nikhilam

Breakup Method

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Multiplication



Session VI

A. Numbers ending with 5 - Ekadhikena Purvena

$$\begin{array}{r} 15 \\ \times 15 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times 65 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 95 \\ \times 95 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 25 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 45 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 35 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 105 \\ \times 105 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 115 \\ \times 115 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 125 \\ \times 125 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 205 \\ \times 205 \\ \hline \hline \hline \hline \hline \end{array}$$

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Mutilpication



Session VI

B. Last digits adding to 10 and other digits same - Antayor Daskepi

$$\begin{array}{r} 32 \\ \times 38 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 63 \\ \times 67 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 94 \\ \times 96 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 29 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 121 \\ \times 129 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 115 \\ \times 115 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 56 \\ \times 54 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 73 \\ \times 77 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 91 \\ \times 99 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 108 \\ \times 102 \\ \hline \hline \hline \end{array}$$

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1. Multiplication



Session VI

C. Multiplication by 9,99,999 - Ekanuyena Purvena

$$\begin{array}{r} 35 \\ \times 99 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times 99 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 95 \\ \times 99 \\ \hline \hline \hline \end{array}$$

$$\begin{array}{r} 022 \\ \times 999 \\ \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 125 \\ \times 999 \\ \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 115 \\ \times 999 \\ \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 0056 \\ \times 9999 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 0738 \\ \times 9999 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 0912 \\ \times 9999 \\ \hline \hline \hline \hline \hline \end{array}$$

$$\begin{array}{r} 0108 \\ \times 9999 \\ \hline \hline \hline \hline \hline \end{array}$$

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1. Multiplication

Session VI

D. Multiplication by 11

$$\begin{array}{r} 54 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 5876 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 239 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 456 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 999 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 12345 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 654878 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 589765 \\ \times 11 \\ \hline \end{array}$$

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1. Multiplication – Urdhva Triyaghyam



Session VII

$$\begin{array}{r} 32 \\ \times 13 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times 43 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 55 \\ \times 63 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 74 \\ \times 67 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 96 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 56 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 67 \\ \times 89 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 59 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 54 \\ \times 75 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 29 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 18 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 31 \\ \times 42 \\ \hline \hline \end{array}$$

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1. Multiplication – Urdhva Triyaghyam



Session VII

$$\begin{array}{r} 213 \\ \times 432 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 321 \\ \times 545 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 516 \\ \times 153 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 213 \\ \times 432 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 324 \\ \times 543 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 513 \\ \times 152 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 973 \\ \times 36 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 64 \\ \times 158 \\ \hline \hline \end{array}$$

$$\begin{array}{r} 972 \\ \times 42 \\ \hline \hline \end{array}$$

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2. Mixed Multiplication Practice



Session VII

$$\begin{array}{r} 128 \\ \times 122 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 999 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ \times 456 \\ \hline \end{array}$$

$$\begin{array}{r} 786 \\ \times 128 \\ \hline \end{array}$$

$$\begin{array}{r} 324 \\ \times 180 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 787 \\ \times 9999 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ \times 11 \\ \hline \end{array}$$

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2. Mixed Multiplication Practice



Session VII

$$\begin{array}{r} 21 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ \times 59 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 324 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 513 \\ \times 999 \\ \hline \end{array}$$

$$\begin{array}{r} 250 \\ \times 540 \\ \hline \end{array}$$

$$\begin{array}{r} 0973 \\ \times 9999 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ \times 58 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 78 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ \times 85 \\ \hline \end{array}$$

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1. Division – By method of deviation



Session VIII

$24/9 =$

$Q =$

$R =$

$44/9 =$

$Q =$

$R =$

$62/9 =$

$Q =$

$R =$

$27/9 =$

$Q =$

$R =$

$83/9 =$

$Q =$

$R =$

$65/9 =$

$Q =$

$R =$

$9) 278$

$Q = \quad R =$

$9) 339$

$Q = \quad R =$

$9) 224$

$Q = \quad R =$

$9) 456$

$Q = \quad R =$

$9) 832$

$Q = \quad R =$

$9) 456$

$Q = \quad R =$

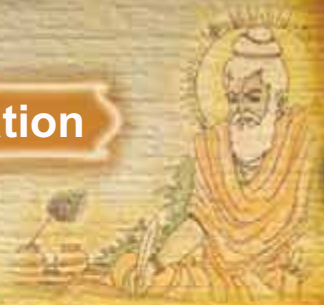
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1. Division – By method of deviation



Session VIII

9) 4 5 6 7

Q = R =

9) 1 8 7 3

Q = R =

9) 2 5 6 9

Q = R =

9) 1 8 5 6 2

Q = R =

9) 3 4 2 1 0

Q = R =

9) 8 7 6 5 2

Q = R =

9) 1 2 3 4 5 6

Q = R =

9) 8 7 8 2 8 4

Q = R =

9) 1 5 6 3 2

Q = R =

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2. Squares - Yavdunam Tavdunam



Session VIII

$$\begin{array}{r} 14 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ \times 108 \\ \hline \end{array}$$

$$\begin{array}{r} 103 \\ \times 103 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ \times 105 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 24 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 205 \\ \times 205 \\ \hline \end{array}$$

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Prasadam Prayers



mahā-prasāde govinde nāma-brahmaṇi vaiṣṇave
svalpa-puṇya-vatām rājan viśvāso naiva jāyate
śarīra avidyā-jāl, joḍendriya tāhe kāl,
jīve phele viṣaya-sāgore
tā'ra madhye jihvā ati, lobhamoy sudurmati,
tā'ke jetā kaṭhina saṁsāre
kṛṣṇa baḍo doyāmay, karibāre jihvā jay,
sva-prasād-anna dila bhāi
sei annāmṛta pāo, rādhā-kṛṣṇa-guṇa gāo,
preme ḍāko caitanya-nitāi



O king, for those with little pious credit, faith in mahā-prasāda, Śrī Govinda, the holy name, and the Vaiṣṇavas never arises.

O Lord, this material body is a place of ignorance, and the senses are a network of paths leading to death. Somehow we have fallen into this ocean of material sense enjoyment, and of all the senses the tongue is the most voracious and uncontrollable. It is very difficult to conquer the tongue in this world. But You, dear Kṛṣṇa, are very kind to us and have given us such nice prasādam just to control the tongue. Now we take this prasādam to our full satisfaction and glorify You-Śrī Śrī Rādhā and Kṛṣṇa-and in love call for the help of Lord Caitanya and Nityānanda.