

VEDIC MATHEMATICS

MULTIPLICATION

BY 11 $23452 \times 11 = ?$

$123 \times 11 = ?$

$9876 \times 111 = ?$

$2768 \times 111 = ?$

In less
than 5
Sec



By Keshav Agarwal Maths and
Memory Guru (25 years Experience)

TRICKS FOR FAST CALCULATIONS

MATH AND MEMORY MARVELS

Multiplication by 11

$$\underline{123 \times 11}$$

$$\underline{2345 \times 11}$$

$$\underline{23452 \times 11}$$

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BY KESHAV AGARWAL SIR (8851017615)

MATH AND MEMORY MARVELS

Multiplication by 11

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

$$\begin{array}{r} 2345 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 23452 \\ \times 11 \\ \hline \end{array}$$

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BY KESHAV AGARWAL SIR (8851017615)

MATH AND MEMORY MARVELS

Multiplication by 11

$$\underline{276 \times 11}$$

$$\underline{2768 \times 11}$$

$$\underline{9876 \times 11}$$

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MATH AND MEMORY MARVELS

Multiplication by 11

$$\begin{array}{r} 276 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 2768 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 9876 \\ \times 11 \\ \hline \end{array}$$

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MATH AND MEMORY MARVELS

Multiplication by 111

$$\underline{123 \times 111}$$

$$\underline{2345 \times 111}$$

$$\underline{23452 \times 111}$$

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MATH AND MEMORY MARVELS

Multiplication by 111

$$\begin{array}{r} 123 \\ \times 111 \\ \hline \end{array}$$

$$\begin{array}{r} 2345 \\ \times 111 \\ \hline \end{array}$$

$$\begin{array}{r} 23452 \\ \times 111 \\ \hline \end{array}$$

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MATH AND MEMORY MARVELS

Multiplication by 12

$$\underline{123 \times 12}$$

$$\underline{263 \times 12}$$

$$\underline{524 \times 12}$$

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BY KESHAV AGARWAL SIR (8851017615)

MATH AND MEMORY MARVELS

Multiplication by 12

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$$\begin{array}{r} 123 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ \times 12 \\ \hline \end{array}$$

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MATH AND MEMORY MARVELS

Multiplication by 112

M
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$$\underline{123 \times 112}$$

$$\underline{263 \times 112}$$

$$\underline{524 \times 112}$$

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BY KESHAV AGARWAL SIR (8851017615)

MATH AND MEMORY MARVELS

Multiplication by 112

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$$\begin{array}{r} 123 \\ \times 112 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ \times 112 \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ \times 112 \\ \hline \end{array}$$

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MATH AND MEMORY MARVELS

Multiplication by 13

M
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$$\underline{123 \times 13}$$

$$\underline{263 \times 13}$$

$$\underline{524 \times 13}$$

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MATH AND MEMORY MARVELS

Multiplication by 13

$$\begin{array}{r} 123 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ \times 13 \\ \hline \end{array}$$

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MATH AND MEMORY MARVELS

Multiplication by 15

$$\underline{62 \times 15}$$

$$\underline{124 \times 15}$$

$$\underline{131 \times 15}$$

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BY KESHAV AGARWAL SIR (8851017615)

MATH AND MEMORY MARVELS

Multiplication by 15

$$\begin{array}{r} 62 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 124 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ \times 15 \\ \hline \end{array}$$

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MATH AND MEMORY MARVELS

Multiplication by 11a

$$\underline{421 \times 117}$$

$$\underline{829 \times 116}$$

$$\underline{529 \times 114}$$

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MATH AND MEMORY MARVELS

Multiplication by 11a

$$\begin{array}{r} 421 \\ \times 117 \\ \hline \end{array}$$

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