

Revised Edition

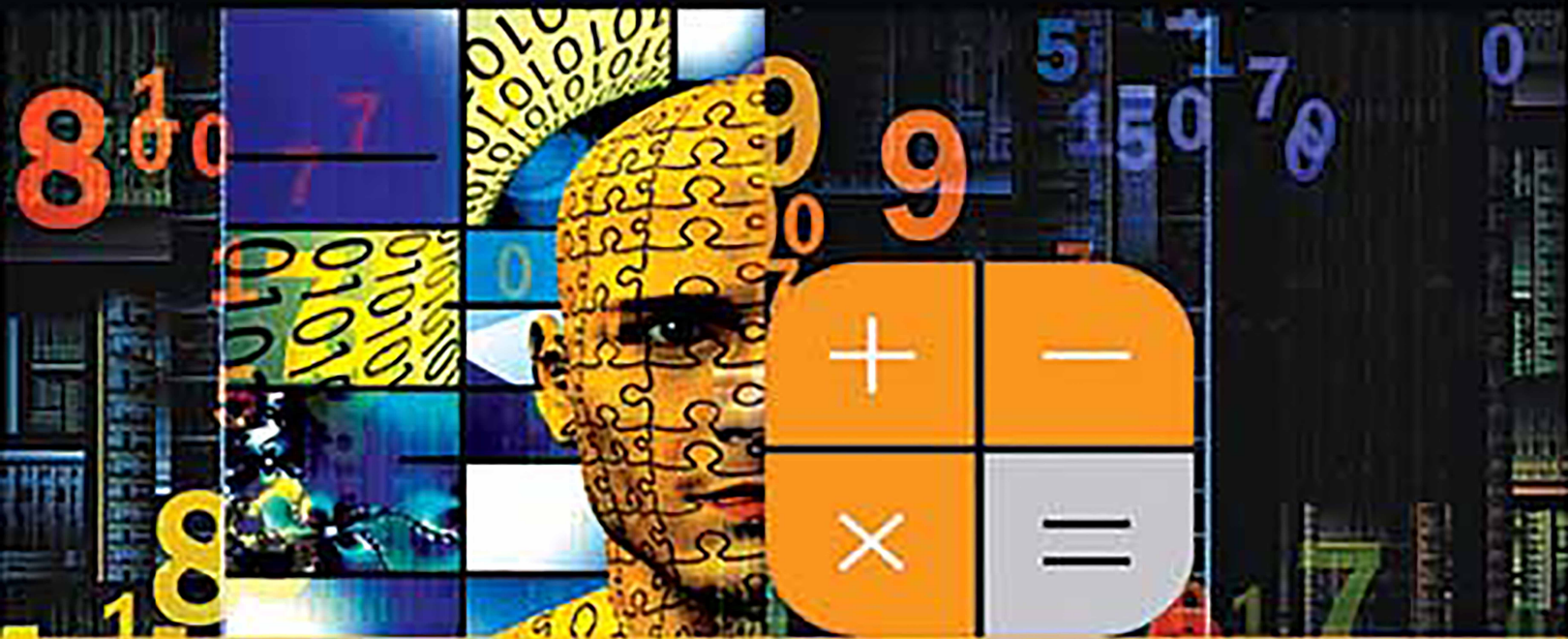
# HOW TO BECOME A HUMAN CALCULATOR?

**with the magic of Vedic Maths**

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**In just 5 Seconds**



**Aditi Singhal**

Guinness World Record Holder  
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(For Memory & Calculation)

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with the magic of Vedic Maths



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2 National Records in the Limca Book  
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## DEDICATION



*Dedicated with reverence to  
**Almighty GOD,**  
The Supreme father of  
All Souls and the Source of  
True Knowledge.*

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## FOREWORD

The history of Vedic Mathematics dates back to the golden aged India, where calculations were done mentally. There was perfect coordination of both parts of the brain. Faculty of mind was used by each individual upto 100%. In due course of time, mind power and mental calculation reduced. The sages and saints knew the secrets of numbers and they devised a unique system of fast calculations during the Vedic age. Since this system was devised in Vedic age, we call it 'Vedic Mathematics'.

This book provides very interesting techniques to calculate fast. I found this book unique in the following respects:

1. This book comprehensively and systematically presents the steps of calculation in a layman language. It can be easily understood by students, housewives or anyone.

2. The book also clearly highlights the techniques of calculations for ease of students, especially those aspiring for competitive examinations. Students can take maximum benefits of these techniques as enumerated in this book.

Aditi Singhal is known to me personally for the last three years. She is a simple woman of high thinking. She has various experiences of applying the Vedic Mathematics techniques which she fondly calls Math-E-Magic. She also provides tips to students to overcome their exam fear and better their performances by improving memory and mind power. Aditi is also the visiting faculty to the "Invisible Doctors Solutions Pvt Ltd", Faridabad.

She has put sincere efforts to present the knowledge of Vedic Mathematics in a simple book form worth emulating for the benefits of the student community. Her efforts are an eye-opener for all of us. I hope this book will prove beneficial for the students to harness their talents and release their true potential. I wish her Good Luck in this endeavour and many successes in her life.

*BK Chandra Shekhar*  
(Director SIGFA Solutions, Rajyogi, Author and Spiritual Healer)



## PREFACE

### Can I Become a Human Calculator?

Students find maths cumbersome and difficult at school level.

Is it because they are afraid of Mathematics?

Your answer may be Yes or you might find mathematics as the most interesting subject. No matter what the answer is, the reason is the same, i.e. ‘the universal nature of Mathematics’. The solution of any maths problem is very unique and to the point. If I ask you *what is 4+5?*, your immediate answer will be 9. If I ask a Japanese the same question, he will also answer the same. Infact anybody from any part of the world if asked the same question, will answer 9; nobody will answer it as 8.5 or 9.1 or anything else. It is this universality of answer that makes Maths so interesting or at the same time can develop a phobia in some, because even a single small mistake at any calculation stage can result in a wrong answer.

That is why, students, and adults too, find a rescue in the use of a calculator. But I can assure you that after reading this book and with little practice, you can calculate on your own – infact much faster than a calculator!

You might wonder if anyone can really calculate like a calculator. But the truth is, ‘*we all can*’. **Our brain has the potential to work even faster than the world’s fastest computer.** We all have heard this, but can you think of even one incident where you find an evidence of this.

Let’s analyze the following situation:

*When we cross the road, we estimate the ever changing speed of different vehicles on road, keep in mind the fixed distance of the road and adjust our own speed with the changing distance of other vehicles. While calculating all this in mind at one time, don’t we cross the road successfully each time? Imagine how difficult it would be if all these calculations have to be done on a computer! A slight mistake in these calculations may not have let us even read this book today!*

This proves that our brain definitely has the potential to work much better than any other computer. Research shows that a person uses

only 1% - 3% of his brain, while intelligent people, like Einstein, also used only upto 10% of his brain. Can you imagine what magic could be created if we are able to unleash even 50% of our brain's potential.

But the million dollar question is *how to use this potential? How to really become as fast as a computer?*

Definitely hard work alone cannot help. Otherwise also, nobody has more than 24 hours to perform work. So, obviously **some smart work is required** to calculate fast. And that's where the Vedic Maths techniques help us. Learning these techniques is extremely simple and interesting. And anybody, **even a person from non-maths background can learn these**. Someone who knows basic mathematical operations of addition, subtraction, multiplication and division, can calculate many times faster by learning these simple techniques.

And I can say this confidently because *I too studied formal maths till high school only*. Having graduated as a B.Sc. (Home Science) Hons. and after 10 years of married life, it was almost 16 years since I left Maths, when one day, I was drawn into reading about Vedic Mathematics. What started as a pass time, could not be resisted. Soon I was practicing the techniques in my day-to-day life. Gradually, the whole system of Vedic Mathematics generated a new passion in me to know more and more about it and discover its magic.

Vedic Maths techniques were so absorbing that I could not get over the temptation of sharing them with my friends and relatives. I practiced teaching the techniques to children of my relatives staying nearby. Observing their enthusiasm and the positive change in their interest for Maths, I extended these techniques to secondary and higher secondary students and teachers in my workshops at various schools. Even the Principals were surprised how these simple Vedic Maths techniques kept their highly qualified maths teachers awestruck!

With time, the workshops were attended by people from all walks of life – students, doctors, housewives, MBAs, CAs, teachers and many others. After numerous workshops, a need was felt to present these techniques in simpler language, especially for school students and those appearing for different competitive exams, or aspiring for an MBA, Banks, etc. Their tremendous response and thirst for a guide-cum-reference book inspired me to write this book.



A conscious effort has been made to explain the techniques of Vedic Maths in simple language with enough step-by-step solved examples at each point and with sufficient practice exercises given after each technique. Different colours have been used to highlight the key points and steps for a gist of the techniques at a glimpse.

It is important to emphasize that you must be thorough with a chapter before moving on to the next chapter. Many chapters are interlinked, like multiplication should be understood first before division and square roots cannot be understood before understanding division. The sequence of the chapters are designed in such a way so that easier and basic techniques are taught earlier and some higher level chapters are dealt later. A reader needs ample revision work in the basics as an ongoing practice and this has been taken into account in the framing of exercises.

Finally, consolidated test papers are given at the end of the book, comprising problems from all chapters for thorough revision. Maths is more of a practical subject than theoretical. So, a workbook with exhaustive exercises on each topic is also available to facilitate more practice. Any suggestions that may help to improvise the book are heartily welcomed.

Let me assure you that it was only by the use of these easy and wonderful techniques, that I now hold a National Record for fastest calculation and got my name registered in '*Limca Book of Records*' and '*India Book of Records*'. What I want to emphasize is that **if I can do it; I am confident, anybody can do it.**

You should just believe that you can do it  
and have the will to do it! The rest is easy.

**All the best for your adventurous, magical and entertaining  
journey of Vedic Mathematics!**

-Aditi Singhal  
(email: [mvedica@gmail.com](mailto:mvedica@gmail.com))

## ACKNOWLEDGEMENT

I thank the Almighty God who empowered me with the intellect and the belief to write this book.

A heartfelt thanks to my parents for the ever encouraging role they have always been playing in my life and standing like a pillar besides me, always.

With two little kids to look after, it really was a herculean task to even think of writing the book. But my mother-in-law's support was a big help in not only encouraging the writing but also in working on seminars. Her care and timely adjustments throughout my journey of this book are something that cannot be described in words.

A very special thanks to Mr. B.K. Chandra Shekhar Tiwari for motivating me to take the first step towards writing this book and for believing in my potential much before I started believing in myself.

A very special thanks to Mr. Biswaroop Roy Chowdhury, for being an ideal to me and for always boosting my confidence with his valuable inputs and support.

I express my thanks to Mr. Antriksh Johri, for always believing in me and inspiring me to think high while maintaining a balance between the professional and family life.

This book couldn't have been made more interesting without the valuable suggestions of Mr. Ravi Gupta. I thank him for his constant support and guidance throughout the making of this book.

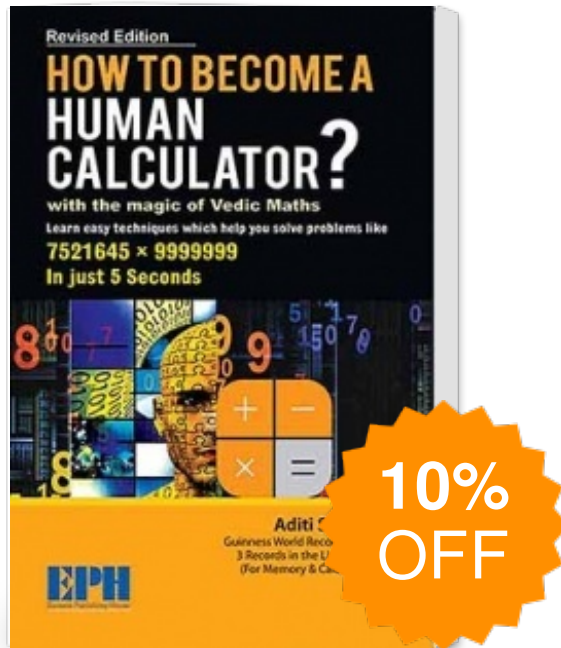
Apart from being a qualified Trainer, I could also play the role of a successful housewife; thanks to my husband, Sudhir Singhal's limited expectations and unlimited encouragement.

The book could not have been written in the simplest manners had I not learnt from the experiences of teaching my students. Their persistent questions and ever surprising looks helped me to develop better and simpler ways of explanation. I thank the students and their parents for believing in me.

Finally I also thank those whose names have not been mentioned, but have lent their support in any way.

**Author**

# How to Become a Human Calculator



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