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# HOW NUMBERS EXPLAINING THE MISTS OF TIME: A SCIENTIFIC UNDERSTANDING FOR ERAS AND CENTURIES OLD EVENTS 

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Mathematics, rightly viewed, possesses not only truth, but supreme beauty - a beauty cold and austere, like that of sculpture, without appeal to any part of weaker nature, without the gorgeous of trappings of paintings or music, yet sub timely pure, and capable of a stern perfection such as only the greatest art can show.

Bertrand Russell, 1902.

The numbers $1,2,3,4 . \ldots .$. , generally we call natural numbers satisfy some relationships and beautiful patterns, several of which cannot be identified, and many are soluble that one marvels they were noticed at all. Since the beginnings of recorded history, numbers have inspired an endless fascination-mystical, practical and aesthetic as well. Experimentation requires only paper and pencil, but several non correct alleys beckon to those who make conjectures on to scanty evidence. With the help of numbers and rigorous demonstration, one can finally convinced that the numerical evidence reflects a universal truth.

Since origin of the mankind and beginning of the knowledge, people had passion to know about mysteries of the past as well as future. The aim of this article is to explain some very effective historical events, which are known to us by centuries, but we do not have any scientific evidence or procedure to believe on that or to justify them.

Now first of all we set specific numbers for all twenty six letters of English alphabets, and to form a convenient table as given below:

| A | B | C | D | E | F | G | H | I | J |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |


| K | L | M | N | O | P | Q | R | S | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |


| U | V | W | X | Y | Z |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 31 | 32 | 33 | 34 | 35 | 36 |

For using of this convenient table, we have to follow certain rules as we have observed through our analysis:
[i]. We can compute the numerical value of any words by adding the corresponding numbers allotted to particular English letter(s) given in the table. For example, if we want to know the numerical value for the word KNOWLEDGE, then we can compute it as;

$$
\begin{aligned}
\text { KNOWLEDGE } & =\mathrm{K}+\mathrm{N}+\mathrm{O}+\mathrm{W}+\mathrm{L}+\mathrm{E}+\mathrm{D}+\mathrm{G}+\mathrm{E}=21+24+25+33+22+15+14+17+15 \\
& =186=1+8+6=15=1+5=6 .
\end{aligned}
$$

[ii]. If name of any person or place may contains two words, then we compute the numerical value for that particular name or place, by computing the numerical value of each words, and then add them together. For example, if we consider a name containing two words like ACM DSQ, then the numerical value for this name (two words) is counted as:

$$
\begin{aligned}
\mathrm{ACM} \text { DSQ } & =\mathrm{ACM}+\mathrm{DSQ}=(\mathrm{A}+\mathrm{C}+\mathrm{M})+(\mathrm{D}+\mathrm{S}+\mathrm{Q})=(11+13+23)+(14+29+27)=(47)+(70) \\
& =(4+7)+(7+0)=(11)+(7)=(1+1)+(7+0)=(2)+(7)=9
\end{aligned}
$$

[iii]. If we compute the numerical value of any word as described in [i] and [ii], finally we get an integer or a number 1, $2,3,4,5,6,7,8$ or 9 .
[iv]. In our extensive study as well as observations, we found that the numerical value of any words \{i.e. name (s) or place(s) $\}$ have direct connection with the numbers. The relations between these numbers are described below;

Category I: If the numerical values for the two wards [name(s) or place(s)] are equal or same, then such wards have strong relations, means that such name(s) or place(s) are strongly related to each other.

Category II: If numerical values for two wards [name(s) or place(s)] are not exactly same, but the fallow the following patter:
[a]. 1 is related to 9 or vice-versa; [b]. 2 is related to 8 or vice-versa; [c]. 3 is related to 7 or vice-versa; [d]. 4 is related to 6 or vice-versa.

Then such wards have weak relations, means that such name(s) or place(s) are weakly related to each other.
The relations between above numbers actually indicate the relations between the words [for any name(s) or place(s)] with respective numerical values. Here, more important thing we noticed that we count the numerical value of such word (name or nick name or place), which is popularly known to us then only we would be able to explain the relations between such word [name or nick name or place] by our this concept.

Here our purpose is to describe possible existing relation(s) between the name(s) or place(s) only, and not any other aspects with related name(s) or place(s).

Our purpose is only scientific study and to establish new understanding through numbers. Here, in next paragraphs we are trying to explain about relations between few name(s) or place(s) by our new concept.

## Explanations for eras old mysterial events

[1]. RAMA and RAWANA: The holy book for Hindu religion is Ramayana. The Ramayana is based on a story of Rama and Rawana, which is believed by Hindus across the world from eras. But, still no scientific evidence is available to establish the truth of this story. In our study we able to establish relation between these two names i.e. RAMA and RAWANA as described below:

The numerical value for the word $\mathrm{RAMA}=\mathrm{R}+\mathrm{A}+\mathrm{M}+\mathrm{A}$

$$
=28+11+23+11=73=7+3=10=1+0=1 .
$$

Also the numerical value for the word RAWANA $=\mathrm{R}+\mathrm{A}+\mathrm{W}+\mathrm{A}+\mathrm{N}+\mathrm{A}$

$$
\begin{aligned}
& =28+11+33+11+24+11=118 \\
& =1+1+8=10=1+0=1 .
\end{aligned}
$$

As we found that the numerical values for the words RAMA and RAWANA are same i.e. 1, which indicates that there is strong relations between both the names as we know by Hindu religion holy book Ramayana.
[2]. HINDUSTAN (BHARAT) and LANKA: As we explained earlier about the relations between RAMA and RAWANA, based upon the Hindu religion's holy book Ramayana. Now here we are establishing the relations between the countries (places) where they were belongs to, as believed by the people of Hindu religion across the world.

The numerical value for the word HINDUSTAN $=\mathrm{H}+\mathrm{I}+\mathrm{N}+\mathrm{D}+\mathrm{U}+\mathrm{S}+\mathrm{T}+\mathrm{A}+\mathrm{N}$

$$
\begin{aligned}
& =18+19+24+14+31+29+30+11+24 \\
& =200=2+0+0=2
\end{aligned}
$$

Also, the numerical value for the word BHARAT $=\mathrm{B}+\mathrm{H}+\mathrm{A}+\mathrm{R}+\mathrm{A}+\mathrm{T}$

$$
\begin{aligned}
& =12+18+11+28+11+30 \\
& =110=1+1+0=2
\end{aligned}
$$

The numerical value for the word $\mathrm{LANKA}=\mathrm{L}+\mathrm{A}+\mathrm{N}+\mathrm{K}+\mathrm{A}$

$$
=22+11+24+21+11=89=8+9=17=1+7=8
$$

Here we found following two facts that:
(a). The numerical values for the wards HINDUSTAN and BHARAT are same, which established by our calculations that both words are representing same place / country and strongly related to each other.
(b). Further we found that the numerical values for the words HINDUSTAN (BHARAT) and LANKA are 2 and 8 respectively. This shows that these words are related to each other. Which is already known to us through the Hindu religion's holy book Ramayana that these were the name of countries / places of Rama and Rawana respectively.
[3]. KRISHNA and KANSA: The MAHABHARATA is another holy book for Hindu religion, which describes the story of Mahabharata and believe, by people of Hindu religion across the world from ears. But, still no scientific evidence is available to establish the truth of this story. In our study we are able to establish the relations between these two names i.e. KRISHNA and KAN SA, as per Hindu religion people believe that these two name(s) were closely related to each other.

The numerical value for the word KRISHNA $=\mathrm{K}+\mathrm{R}+\mathrm{I}+\mathrm{S}+\mathrm{H}+\mathrm{N}+\mathrm{A}$

$$
\begin{aligned}
& =21+28+19+29+18+24+11 \\
& =150=1+5+0=6
\end{aligned}
$$

The numerical value for the word $\mathrm{KANSA}=\mathrm{K}+\mathrm{A}+\mathrm{N}+\mathrm{S}+\mathrm{A}$

$$
\begin{aligned}
& =21+11+24+29+11 \\
& =96=9+6=15=1+5=6
\end{aligned}
$$

As we found that the numerical values for the words KRISHNA and KANSA are equal, which indicate that there is a strong relation between these two names as we know by Hindu religion's book MAHABHARATA.
[4]. GOKUL and MATHURA: As we explained earlier about the relations between KRISHNA and KANSA. Now here we are establishing the relations between the places where they were belongs to i.e. popularly known as Gokul and Mathura.

The numerical value for the word GOKUL $=\mathrm{G}+\mathrm{O}+\mathrm{K}+\mathrm{U}+\mathrm{L}$

$$
=17+25+21+31+22=116=1+1+6=8
$$

Also, the numerical value for the word MATHURA $=\mathrm{M}+\mathrm{A}+\mathrm{T}+\mathrm{H}+\mathrm{U}+\mathrm{R}+\mathrm{A}$

$$
\begin{aligned}
& =23+11+30+18+31+28+11 \\
& =152=1+5+2=8
\end{aligned}
$$

As we found that the numerical values for the words GOKUL and MATHURA are equal, which indicate that there is strong relations between these two names as we know by Hindu religion book MAHABHARATA

## Explanations for centuries old events

[5]. NEWTON and LEIBNIZ: As per history of mathematics we know that both the mathematicians are responsible to develop calculus as subject in the same time duration. Now, here we are trying to establish the same through our new concept.

The numerical value for the word NEWTON $=\mathrm{N}+\mathrm{E}+\mathrm{W}+\mathrm{T}+\mathrm{O}+\mathrm{N}$

$$
\begin{aligned}
& =24+15+33+30+25+24 \\
& =151=1+5+1=7
\end{aligned}
$$

The numerical value for the word $\mathrm{LEIBNIZ}=\mathrm{L}+\mathrm{E}+\mathrm{I}+\mathrm{B}+\mathrm{N}+\mathrm{I}+\mathrm{Z}$

$$
\begin{aligned}
& =22+15+19+12+24+19+36 \\
& =147=1+4+7=12=1+2=3
\end{aligned}
$$

As we found that the numerical values for the words NEWTON and LEIBNIZ, which are followed rules under Category II (c), which established that these wards (names) are related to each other, as we know by the history of mathematics.
[6]. NEWTON and EULER: As per history of mathematics we know that both the mathematicians were contemporary to each other and worked in different ears of mathematical sciences. Now, here we are trying to establish the same through our new concept.

The numerical value for the word $\mathrm{NEWTON}=\mathrm{N}+\mathrm{E}+\mathrm{W}+\mathrm{T}+\mathrm{O}+\mathrm{N}$

$$
\begin{aligned}
& =24+15+33+30+25+24 \\
& =151=1+5+1=7
\end{aligned}
$$

The numerical value for the word EULER $=\mathrm{E}+\mathrm{U}+\mathrm{L}+\mathrm{E}+\mathrm{R}$

$$
\begin{aligned}
& =15+31+22+15+28 \\
& =111=1+1+1=3
\end{aligned}
$$

As we found that the numerical values for the words NEWTON and EULER are 7 and 3, which are followed rules under Category II (c), which established that these wards (names) are related to each other, as we know by the history of mathematics.
[6]. HARDY and RAMANUJAN: As per history of mathematics we know that both the mathematicians were contemporary to each other and worked and developed mathematical sciences. Now, here we are trying to establish the same through our new concept.

The numerical value for the word HARDY $=\mathrm{H}+\mathrm{A}+\mathrm{R}+\mathrm{D}+\mathrm{Y}$

$$
\begin{aligned}
& =18+11+28+14+35 \\
& =106=1+0+6=7
\end{aligned}
$$

The numerical value for the word RAMANUJAN $=\mathrm{R}+\mathrm{A}+\mathrm{M}+\mathrm{A}+\mathrm{N}+\mathrm{U}+\mathrm{J}+\mathrm{A}+\mathrm{N}$

$$
\begin{aligned}
& =28+11+23+11+24+31+20+11+24 \\
& =183=1+8+3=12=1+2=3
\end{aligned}
$$

As we found that the numerical values for the words NEWTON and EULER are 7 and 3, which are followed rules under Category II (c), which established that these wards (names) are related to each other, as we know by the history of mathematics.

## Explanations for $21{ }^{\text {st }}$ century events

[7]. GEORGE BUSH and SADDAM HUSAIN: As we know that these both names are related to each other. Since here our purpose is to understand only scientific aspects of our theory, and we are not going any more historical or political aspects.

The Numerical value for the word GEORGE BUSH $=($ GEORGE $)+($ BUSH $)$

$$
\begin{aligned}
& =(\mathrm{G}+\mathrm{E}+\mathrm{O}+\mathrm{R}+\mathrm{G}+\mathrm{E})+(\mathrm{B}+\mathrm{U}+\mathrm{S}+\mathrm{H}) \\
& =(17+15+25+28+17+15)+(12+31+29+18) \\
& =(117)+(90)=(1+1+7)+(9+0) \\
& =(9)+(9)=18=1+8=9
\end{aligned}
$$

The numerical value for the word SADDAM HUSAIN $=($ SADDAM $)+($ HUSAIN $)$

$$
\begin{aligned}
& =(\mathrm{S}+\mathrm{A}+\mathrm{D}+\mathrm{D}+\mathrm{A}+\mathrm{M})+(\mathrm{H}+\mathrm{U}+\mathrm{S}+\mathrm{A}+\mathrm{I}+\mathrm{N}) \\
& =(29+11+14+14+11+23)+(18+31+29+11+19+24) \\
& =(102)+(132)=(1+0+2)+(1+3+2)=3+6=9
\end{aligned}
$$

As we found that the numerical values for the above both name are same i.e. 9, which indicates that there is strong relations between both the names, which is also known to us by recent political events. Here strong relation means that these names were related together for long time.
[8]. OBAMA and OSAMA: As we know that these both names are related to each other. Since here our purpose is to understand only scientific aspects of our theory, and we are not going any more historical or political aspects. Here weak relation means that these names were related together for short time.

The numerical value for the word $\mathrm{OBAMA}=\mathrm{O}+\mathrm{B}+\mathrm{A}+\mathrm{M}+\mathrm{A}$

$$
\begin{aligned}
& =25+12+11+23+11 \\
& =82=8+2=10=1+0=1
\end{aligned}
$$

The Numerical value for the word OSAMA $=\mathrm{O}+\mathrm{S}+\mathrm{A}+\mathrm{M}+\mathrm{A}$

$$
\begin{aligned}
& =25+29+11+23+11 \\
& =99=9+9=18=1+8=9
\end{aligned}
$$

As we found that the numerical values for the above both name are 1 and 9 respectively, which indicates that there is a weak relations between both the names.

## REFERENCE:

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