God's DNA
Mathematical Properties of Pi, Phi, and E

There has been much speculation concerning "Bible codes" which has been exploited in literature and movies. I speak of the "ELS" kind. "ELS" is a short term for "Equal Distant Letter Spacing". "ELS" is not the focus of this article. My focus here is of the mathematical kind. Could there actually be a code which makes it possible to find hidden truth in Scripture or prove Biblical inerrancy? Approximately 1600 years ago St. Augustine wrote: Ignorance of numbers, too, prevents us from understanding things that are set down in Scripture in a figurative and mystical way. -(Augustine, Saint, On Christian Doctrine – Book II Chapter 16 Available [Online] www.ccel.org/ccel/augustine/doctrine.iv.iii.html.)

In attempts to find hidden truths, Gematria, which involves using the numerical value of words has been employed to study Biblical text. This is made possible since Hebrew and Greek (the languages of the Old and New Testaments) both use the characters of the alphabet as numerals. Neither Biblical language had its own separate system to record mathematical value. As a result each letter and therefore each word has a specific numerical value in addition to a specific meaning.

There are a number of ways in which the numerical value of words from Scripture have been used to study the Bible. Jewish rabbis used gematria to evaluate Scripture and believed that words and phrases of equal gematria value were associated. Christian Bible scholars have used gematria to demonstrate perfect geometric patterns associated with the numerical value of words from Scripture. Others have shown that there is a remarkable correlation between words and phrases from Scripture which have the same numerical value or multiples of a specific numerical value. More recently, some have used the numerical value of words from Scripture using English where each letter of the alphabet is assigned an ordinal number instead of Hebrew and Greek. In the more commonly used methods of gematria it is thought that only the exact words used in the original translation of Scripture will offer valid gematria associations. I am not an authority in any of the widely used methods of gematria. However, circumstances of life affected me such that I sought enlightenment regarding the truth of Holy Scripture. I have followed the work of those mathematical scholars who have shown the validity of gematria in the Bible.

The method of gematria which I have used involves the calculation of the gematria values for phrases, and more commonly, complete sentences of scriptural truth that are written using only the root word spelling for each word (usually in Hebrew, but occasionally in Greek.) The sentences taken from Scripture can be the same words that are found for a verse, paraphrased passages of Scripture, or simply sentences which state that which is proclaimed in the Bible. I first discovered gematria associations by composing sentences in this manner of "pseudo-translation" related to what is written in Scripture pertaining to Jesus. In doing so, I found numerous instances in which the numerical values for words, phrases, and sentences computed to 888, 1480, 2368, and 3168. These are the gematria values for Jesus, Christ, Jesus Christ, and Lord Jesus Christ

written in Greek. While attempting to arrive at these predetermined numerical values, I then found an amazing number of associated words with randomly calculated gematria values. In chapter 1 of my E-book *"The Season of the Rapture: God's Three-Fold Witness"* I included specific notations of the number **"3168" as being the gematria for the "Lord Jesus Christ".** In the same chapter I included an illustration of Genesis 1:1 and its gematria value in Hebrew. Further down in this article I have included an illustration of how God signs His Word in Mathematics. Genesis 1:1 is a "triangular" passage. The Hebrew year of **5778** which began on September 23rd, 2017 is also a "triangular" number. Prime numbers and Triangular numbers are found to be integral to the Mathematical Properties of *Pi, Phi,* and *E.* **5778** is the 107th "triangular" mathematical number. Being a topic of mathematics, gematria is misunderstood by much of the Christian world. I have great reason to believe that **2018/5778** bodes well for the people of God, Jewish and Christian.

There is great confusion on the part of many when it comes to gematria. This comes from ignorance of the subject as there are many academic books on the genuine proof of gematria being a legitimate mathematical phenomenon. Here is a list of major books on the subject:

** '*373 a Proof Set in Stone*' by Peter Bluer' a Ph.D. mathematician in the U.K.
** '*The Original CODE in the BIBLE*' by Del Washburn
** '*Theomatics & the Scientific Method*' by Del Washburn
** '*Theomatics II*' by Del Washburn
** '*The Bible Wheel - A Revelation of the Divine Unity of the Holy Bible*' by Richard McGough

Much of the confusion and criticism of gematria comes from the fact that it has an association with the Hebrew Kaballah, a mysterious sect of Judaism. Most people have heard of the number **"666"** and the less familiar number of **"153"** referenced in John 21:11. These numbers stand out to readers of the Bible and they are not without basis. Later in this article I will provide several links to the aforementioned "triangular" number **"5778",** all of which will astonish the reader like nothing ever viewed. Gematria is a legitimate form of studying the source code of the Biblical text. Three mathematical formulas can be found throughout the pages of the King James Bible. These are the mathematical properties of *Pi, Phi*, and *Euhler*. Since mathematics is not a favorite subject for most people, the information in this article may prove to be a challenge. Nonetheless, it is <u>extremely important and provocative</u>.

In his monthly publication 'Personal Update' September, 2003, Dr. Chuck Missler wrote an article, the contents of which I share here:

"The recent discovery that the speed of light is *not a constant* has created quite a stir—and rethinking—in both physics and cosmology. (Although the spate of recent articles always fails to credit Barry Setterfield for calling this to our attention over a decade ago!) However, there does appear to be at least two intrinsic constants in the universe: π and e.

We all met **π** ("pi") in school when we had to deal with the circumference of a circle and similar matters. "Pi are squared" sounds like bad grammar, but it is correct geometry for the area of a circle, **πr²**. We approximated it with 22/7, until we got into engineering circles where we learned that, more precisely, it was 3.141592654… (It has recently been calculated to a *trillion* decimal places!) As we have previously mentioned in several of our materials, π is also a "hidden treasure" in the Hebrew text of 1st Kings 7:23. When one corrects the letter values for a variation of the spelling, the 46-foot circumference of Solomon's "molten sea" is specified to an accuracy of better than *15 thousandths of an inch*!

Natural Logarithms:

Perhaps less well known to most of our less technical subscribers is the base of Naperian ("natural") logarithms, **e**. It shows up in myriads of places in advanced engineering and mathematics such as:

In wave mechanics,	$X = Ae^{kt}$
Or electrical theory,	$Q(t) = Qe^{-t/RC}$
In advanced math,	$E^{ix} = \cos x + i\sin x$, where $i = (-1)^{1/2}$
And the distribution of prime numbers:	$A(x) = x/\log_e x$
It is defined by	$e = \lim_{n \to} (1 + 1/n)^n$

and it is usually approximated by 2.718281828.

A Rabbinical Tradition:

The ancient Hebrew sages believed, of course, that God created the heavens and the earth. However, some of them believed that *the Word of God was the very template* with which He did it. This strikes some of us as simply a colorful exaggeration that goes beyond any direct evidence. There are hints here and there. There are two well-known references to the creation in the Scripture: Genesis 1:1 and John 1:1. Let's look "underneath" the text of each of these.

Genesis 1:1:

In the beginning God created the heaven and the earth.

In Hebrew:

בְּרֵאשִׁית בָּרָא אֱלֹהִים אֵת הַשָּׁמַיִם וְאֵת הָאָרֶץ

If you examine the numerical values of each of the Hebrew letters, and the numerical value of the words and apply them to this formula:

The number of letters x the product of the *letters*
The number of words x the product of the *words*

You get 3.1416 x 10^{17}. The value of π to four decimal places!

John 1:1:

In the beginning was the Word, and the Word was with God, and the Word was God.

In Greek:

Ἐν ἀρχῇ ἦν ὁ λόγος, καὶ ὁ λόγος ἦν πρὸς τὸν Θεόν, καὶ Θεὸς ἦν ὁ λόγος

This time if you take the numerical value of each of the Greek letters and the numerical value of the words, and apply them to the same formula:

The number of letters x the product of the letters
The number of words x the product of the words
You now get 2.7183 x 10^{40}, the value of *e*. Curious!

When I was a teenager, I was confronted by a skeptic (a Unitarian, actually) concerning an apparent discrepancy in 1 Kings 7:23. This passage deals with Solomon's Temple and the products of Hiram the Bronze-worker:

"And he made a molten sea, ten cubits from the one brim to the other: it was round all about, and his height was five cubits: and a line of thirty cubits did compass it round about."

1 Kings 7:23:

The huge cast bronze basin in 1 Kings 7:23 was 10 cubits in diameter and its circumference was 30 cubits, which is mathematically inaccurate. Almost any schoolboy knows that the circumference of a circle is not the diameter times 3, but rather, the diameter times a well-known constant called *"Pi".*

The real value of *pi* is 3.14159265358979, but is commonly approximated by 22/7. This is assumed, by many, to be an "error" in the Old Testament record, and is often presented as a skeptical rebuttal to the "inerrancy" of the Scriptures. How can we say that the Bible is inerrant when it contains such an obvious geometrically incorrect statement? How do we deal with this?

24-Hour Hot Line

It is interesting that whenever we find such a thing, we should simply take it to the Throne and claim the commitment Jesus made His disciples:

"But the Comforter, which is the Holy Ghost, whom the Father will send in my name, he shall teach you all things, and bring all things to your remembrance, whatsoever I have said unto you." -(John 14:26)

Is this really true? Then why don't we resort to it more often?

In this case, the Lord ultimately brought to our attention some subtleties usually overlooked in the <u>Hebrew text.</u>

A Spelling Lesson:

The common word for circumference is **qav**. Here, however, the spelling of the word for circumference, **qaveh**, adds a **heh** (h) in Hebrew.

 In the Hebrew Bible, the scribes did not alter any text which they felt had been copied incorrectly. Rather, they noted in the margin what they thought the written text should be. The written variation is called a **kethiv**; and the marginal annotation is called the **qere**. To the ancient scribes, this was also regarded as a **remez**, a hint of something deeper. This appears to be the clue to treat the word as a mathematical formula.

Numerical Values:

The Hebrew alphabet is alphanumeric: each Hebrew letter also has a numerical value and can be used as a number. The *q* has a value of 100; the *v* has a value of 6; thus, the normal spelling would yield a numerical value of 106. The addition of the *h*, with a value of 5, increases the numerical value to 111. This indicates an adjustment of the ratio 111/106, or 31.41509433962 cubits. Assuming that a cubit was 1.5 ft., this 15-foot-wide bowl would have had a circumference of 47.12388980385 feet.

This Hebrew "code" results in 47.12264150943 feet, or an error of *less than 15 thousandths of an inch*! (This error is 15 times *better* than the 22/7 estimate that we were accustomed to using in school!). How did they accomplish this? This accuracy would seem to vastly exceed the precision of their instrumentation. How would they know this? How was it encoded into the text?

Implications:

Beyond these engineering insights of Solomon's day, there are more far-reaching implications of this passage.

1) The Bible is reliable. The "errors" pointed out by skeptics usually derive from misunderstandings or trivial quibbles.
2) The numerical values of the letters are legitimate and apparently can carry significance.

This, in itself, is a major controversy among some. There are some who maintain that the numerical assignments in the Hebrew alphabet were borrowed from the Greek alphabet in a later period, and the influence of Pythagoras, et al. (580-500 B.C.) However, the Babylonians also employed "gematria" (the numerical values of letters and words) during the time of Sargon II. The wall at Khorsabad was supposed to have been built according to the numerical value of Sargon's name.   The Hebrew use of an alphanumeric alphabet also predates these assumptions.

Caveats:

These numerical values of letters and words can, however, easily lead to mysticism, such as the subjective speculations of the Kabbalah of Judaism - or the mystical conjectures deriving from the Pythagorean Brotherhood - and this is spiritually hazardous and contrary to Scripture.

When Pythagoras returned from travel and study in Babylon, India and Egypt, he founded a secret cult in southern Italy based on the numerical explanations for the phenomena of the universe. The Pythagoreans considered numbers to be the elements and origin of everything. While he is credited with the theory of the functional significance of numbers in the objective world and music, the bulk of his intellectual tradition belongs to mystical wisdom rather than scientific scholarship. (The famed Pythagorean Theorem regarding the length of the hypotenuse of a right triangle probably developed later in the Pythagorean School he founded.).

Pythagorean doctrine applied number relationships to music theory, acoustics, geometry, and astronomy, and deeply influenced the development of classical Greek philosophy and medieval European thought, including the astrological belief that the number harmony of the universe decidedly affects all human endeavor. This numerical mysticism also was embraced with the rise of Gnostic heresies, which plagued the early church and which also flowered in the medieval church. Numerical mysticism is also deeply involved in Freemasonry and other occultic practices.

The Bible warns against the occult. Spiritual warfare is a reality, and there is great power in the occult. We have serious enemies that are extremely resourceful and malevolent. The Bible warns of a personal devil and myriads of demons, who should be regarded as cunning enemies, and who are active in the affairs of Planet Earth. In fact, the whole world lies in the power of the Evil One.

The devil's tactics include masquerading as an "angel of light" and a servant of righteousness. False teachers and false prophets are linked to evil spirits, and there are "doctrines of demons." Demons work through people by giving them psychic abilities. Supernatural manifestations are to be tested by the Word of God.

Another craze has been recently stimulated by the publication of "Bible Codes" involving equidistant letter sequences. The dangers in these provocative "codes" will be the subject of subsequent articles in this series."

Significance?

Each of these is another of those puzzling ostensible "coincidences" that are too astonishing to dismiss, and yet present challenges in suggesting any real significance. And taken together, they do evoke some conjectures. There are, however, at least two problems: why just four decimal places (they both deviate from the fifth place onwards) and what do you do with all the "extra zeroes"? (This concludes my comments by Dr. Chuck Missler)

In the Old Testament book of prophecy, Zephaniah, there is a verse that says: ***"For then will I turn to the people a pure language, that they may all call upon the name of the Lord, to serve him with one consent."*** -(Zephaniah 3:9). The Hebrew word for "turn" can be translated in several ways, and indeed, in various translations of the Bible it is translated as "return," "restore," and "give." Gematria experts insist that the original translation of Scripture be used when determining the numerical values. However, this is a problem, because the original translations of much of the Old Testament was almost certainly written in paleo-Hebrew an ancient form of written language which is far different from Biblical Hebrew, and still different from the accepted Hebrew translations of Scripture that were not standardized until the middle ages, and from which translations into Greek, Latin and eventually English and other languages are taken. In addition, there is significant variation in early Greek translations of the New Testament, (Textus Receptus). Although the translations are amazingly similar, differences have been found. Since there are differences in the translations, how can anyone know the one translation which holds the only truth which can be confirmed by numerical values? The researchers at Bible Gematria.com also use the Leningrad Codex known for its accuracy.

Perhaps the language of God is the language of numbers, which can be found in all words; a pure language, irrespective of rules of grammar. If this be so, then the truth which is proclaimed in the Bible might be confirmed through the numerical value of words in a variety of ways. Although the numerical value of words may be a way to demonstrate the divine nature of Holy Scripture, the true "pure language" which God promised to give is the truth of Scripture which prophesied the coming of a Messiah in the Old Testament, and proclaimed the Gospel message in the New Testament that Jesus Christ is the fulfillment of that prophesy. Whatever translation of the Bible is used, those who acknowledge this truth of Scripture, the "pure language," will then call upon the name of the Lord.

One may say that this method is invalid, but the numerical confirmations of truth are simply remarkable. Each person will have to determine for themselves if this is a coincidence of astounding proportions, or evidence for Biblical inerrancy. Those who see gematria validating and a confirmation of the Bible offer a scientific methodology that many traditional theologians refute or simply choose to ignore. What mathematicians have going for them is the fact that mathematics is the only pure science, meaning it is replicable or can be repeated!

The gematria examples which will be shown in this article will include the Strong's number of each root word that is used in a sentence such that anyone so inclined can see for themselves that I have used only the primary spelling of each word, and that the appropriate word in either noun or verb form is used. This can be ascertained by referring to either: *'E-Sword'* or *'The Bible Wheel'*. The first website has free software which can be downloaded with the King James Version of the Bible showing the associated words in Hebrew and Greek according to Strong's Concordance for each verse. The second website also lists the numerical value of every spelling of each word that is used in the Bible for both languages, and the words of the "original" translations as well.

For more than fifty years, it has become my belief that numbers are the language of God and truth is revealed by the numerical value of words. Furthermore, I believe that the Bible is the only source of absolute truth. If these two assumptions are correct, then it is reasonable to suspect that the numerical value of words which state Scriptural truth should provide evidence to confirm what is written in the Bible. It is expected that my claim of gematria which uses only root word spellings in a phrase or sentence being able to reveal hidden truth in Scripture will be met with great skepticism. Before the reader reaches any conclusion I would advise one to read the entire book and consider the amazing gematria confirmations of scriptural truth.

I first encountered the gematria phenomena back in 1963/64 when I was a member of the team of computer programmers tasked with the computerization of the King James Bible at the University of Pittsburgh's computer center. As computer programmers, we were unaware of the mathematical features at the time when it came to the Biblical text as well as the English translation. We learned the key to how the men who added chapter and verse numbering to the Bible accomplished the task: the original writers used markings akin to diacritic points. While converting the written text to magnetic tape I generated my own "Mathematical" Bible. It was a bulky computer printout of close to 5,000 pages that I kept for personal research for many decades but gematria meant little to gentiles at the time.

Let's pause here and recap. You do not need to be a Ph.D. mathematician to understand that the Bible contains all the properties associated with the Creator of the Universe and His works in creation. Although some critics of gematria hold a certain predisposition against gematria, it cannot deny the existence of certain mathematical properties buttressing the existence of a Divine numerical code. Mathematics further corroborates the concept of Intelligent Design, a theme central to Biblical Creation Science.

[the Universe] is written in the language of mathematics, and its characters are triangles, circles, and other geometrical figures, without which it is humanly impossible to understand a single word of it ... .—Galileo

Mathematics is the universal language, but it is not a human construct. Sure, we create symbols for numbers and mathematical computations, but math itself is more fundamental. The equation 2 + 2 = 4 is universally true, universal in the sense that everywhere in the universe it is true. It does not matter what symbols we create to communicate "2 + 2 = 4"-- the equation always remains true. In other words, what we call math is simply a way to describe or visualize the order that is <u>the foundation of the universe's structure and mechanics</u>.

But such order **cannot be produced by chance or randomly.** The level of order is too sophisticated for a random cause. The patterns that are often revealed are too precise. Only intelligence produces such things. Let us review some of the mathematical constructs that we have uncovered in nature.

Phi

Phi (1.6180339887...) is an irrational number like *Pi* (3.141592653...). *Phi* and *Pi* are both ratios defined by particular Euclidean geometries, with *Phi* being the division of a line "so that the ratio of the lesser part to the greater part is the same as the ratio of the greater part to the whole." *Phi's* abundance in the universe has earned it names such as the Golden Section, the Divine Proportion, the Golden Ratio, and the Golden Mean. This ratio *phi* can be found in many natural constructs such as in human and animal proportions (i.e., the arrangement of physical features). *Phi* relationships can be found in DNA, among the planets of the Solar System (as in Kepler's Laws), and so on.

Many argue that *phi* is purposefully used by humans in such things as art, architecture and music for the balance it produces in designs. However, there are some caveats to this. For example, some claim one can find *phi* - not surprisingly - in the structure or design of the pyramids of Egypt. Is *phi* intentional in the pyramids or merely the result of what is good geometrical design? It is probably the latter. Architecture is often designed with balance and stability which necessitates geometries that contain *phi*, though these geometries are not always necessary. *Phi* may be intentional in some structures, but it is accidental or inadvertent in others.

We can purposely incorporate *phi* or inadvertently do so through our use of the geometries we have discovered. Either way we (intelligent designers) are using precise constructs. How do such precise relations appear repeatedly in nature?

Fibonacci Series

This is the Fibonacci series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, etc. It is very simply explained as each number in the series being the sum of the previous two numbers. The ratio of each successive pair of numbers (starting with 3/2) in the series approximates *phi* (i.e., 8 divided by 5 is 1.6). Why is this important? Because the Fibonacci series is the basis of the spiral patterns common in nature: in shells, hurricanes, whirlpools, spiral galaxies, DNA, and plant life. *Phi* is all around us. For example: the ratio of scales in the opposing spirals around a pine cone are 5:8; bumps on a pineapple are 8:13; seeds in a sunflower are 21:34. All of these ratios are adjacent pairs in the Fibonacci series.

Biblical Indications of Phi

Exodus 25:10 writes: *"Have them make a chest of acacia wood - two and a half cubits long, a cubit and a half wide, and a cubit and a half high."* We find "The ratio of 2.5 to 1.5 is 1.666..., which is as close to *phi* (1.618...) as you can come with such simple numbers and is certainly not visibly different to the eye. The Ark of the Covenant is thus constructed using the Golden Section, or Divine Proportion. This ratio is also the same as 5 to 3, numbers from the Fibonacci series. The pervasive appearance of *phi* throughout life and the universe is believed

by some to be the signature of God, a universal constant of design used to assure the beauty and unity of His creation.

Pi (π)

Pi is the ratio of the circumference of a circle to its diameter (**pi** = 3.141592653...). **Pi** is just as fundamental as phi in the universe, but because it is more familiar, its presence does not seem as startling. Yet mathematicians have spent millennia computing its numbers and looking for patterns in the **pi** sequence.

Pi in the Bible

1 Kings 7:23 writes: **"He made the Sea of cast metal, circular in shape, measuring ten cubits from rim to rim and five cubits high. It took a line of thirty cubits to measure around it."**

We know that circumference = **pi X** (times) diameter. So from 1 Kings 7:23 we produce 30 = **pi**(10). Solving for **pi** we get 3. Since **pi** actually equals 3.141592653..., some people reason that the Bible is wrong. Is it?

First we must recognize that the Bible commonly uses rounded figures. These are descriptions, not architectural blueprints. Secondly, it has been shown by some that since the Hebrew has no digits - all letters are also numbers - the relevant Hebrew in this passage can be calculated to find **pi**. The calculation comes out to 3.14150943.... This is only a difference of 0.0000832 with actual **pi**, making the Bible's description of **pi** the most accurate in antiquity!
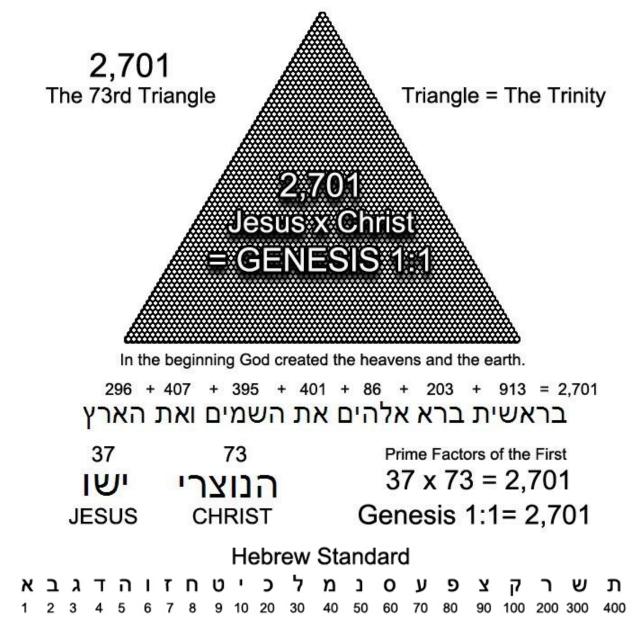
Perhaps the Hebrews did not specifically calculate **pi**, but they managed to come very close "accidentally." Another caveat is that many have tried to abuse the Hebrew and find endless "codes" hidden in the Bible. While certain numbers, sequences, etc., in the Bible and elsewhere have been attributed to particular meanings, there is a big difference between pseudoscientific numerologies and scientific patterns. The latter are constant and repeatable (**pi** and **phi**) the former are unreliable, inconsistent and variable ("Bible codes").

Mathematical patterns are inherent to the very structure of the universe. While we use our language of mathematics to describe these patterns and all of the precise fine-tuning found in the universe, the mathematical ratios themselves seem to be design evidences: a universal language, unchanging throughout time or place; too precise and nonrandom to be products of chance.

Let's not forget that all three of these properties of **Pi, Phi**, and **E** are all found in the Bible; **Pi** is encoded in Genesis 1:1 and **E** is encoded in John 1:1.

The True Author of the Bible Signs His Work with Mathematics. The illustration below shows the Triangular number of 2701 embedded in the gematria of Genesis 1:1.   It is reflective of a huge array of meanings to Triangular numbers throughout the entire Bible.   The pattern and use of Triangular numbers validates that the Bible is of Divine origin, and, furthermore, proves it

to be trustworthy and accurate to the Biblical message. Skeptics and unbelievers are frustrated because they cannot ignore the evidence, and therefore either believe the Bible is God's Holy Word, or else hide from the evidence in their unbelief. Make no mistake about it, mathematical properties validate the genuine nature of a Creator from outside our time-space continuum.

2,701
The 73rd Triangle

Triangle = The Trinity

2,701
Jesus x Christ
= GENESIS 1:1

In the beginning God created the heavens and the earth.

296 + 407 + 395 + 401 + 86 + 203 + 913 = 2,701

בראשית ברא אלהים את השמים ואת הארץ

37   73   Prime Factors of the First

ישו   הנוצרי   37 x 73 = 2,701

JESUS   CHRIST   Genesis 1:1= 2,701

Hebrew Standard

א	ב	ג	ד	ה	ו	ז	ח	ט	י	כ	ל	מ	נ	ס	ע	פ	צ	ק	ר	ש	ת
1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	200	300	400

The Bible was originally written in Hebrew and Greek, both are alphanumeric languages, whose letters were historically used as numbers in two separate ways, the Standard and the Ordinal. The triangle you see above is produced by the sum of the letters of the first verse (2701) which is a "Figurate Number", specifically the 73rd triangular number.   As I continue we will be looking closely at Triangular numbers and their implications for readers of the Bible.

What are Triangular Numbers?

n	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	...
F(n)	0	1	1	2	3	5	8	13	21	34	55	89	144	233	377	610	987	1597	2584	4181	...
L(n)	2	1	3	4	7	11	18	29	47	76	123	199	322	521	843	1364	2207	3571	5778	9349	...

These are the first 100 triangular numbers:

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    1       3       6      10      15      21      28      36      45      55
   66      78      91     105     120     136     153     171     190     210
  231     253     276     300     325     351     378     406     435     465
  496     528     561     595     630     666     703     741     780     820
  861     903     946     990    1035    1081    1128    1176    1225    1275
 1326    1378    1431    1485    1540    1596    1653    1711    1770    1830
 1891    1953    2016    2080    2145    2211    2278    2346    2415    2485
 2556    2628    2701    2775    2850    2926    3003    3081    3160    3240
 3321    3403    3486    3570    3655    3741    3828    3916    4005    4095
 4186    4278    4371    4465    4560    4656    4753    4851    4950    5050
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Note the list of the first 100 triangular numbers and you will see some of the more obvious numbers found specifically in the Bible such as 153, 666, 2701 stand out in interesting numerical patterns; 2701 which is illustrated above as it appears in Genesis 1:1. In subsequent information further below, readers will learn God's DNA integrates gematria with *Pi, Phi*, and *E* in such intricate patterns that it becomes obvious that gematria is much more than esoteric or mystical studies of the Kabbalah.

It is markedly apparent that all Triangular numbers yield direct connection to or correlation with related words and phrases found in the Hebrew Masoretic text. This becomes evident when viewing any of the three You Tube videos noted at the close of this article.

5778 is the 107th triangular number, beyond the list of the above first 100 triangular numbers. **5778** is also the Hebrew year the Jewish people entered on September 23rd, 2017 when they observed the New Year and Feast of Trumpets. With the focus on **5778**, you will soon see why the Jewish religious sages and mathematical community place great hope for their Messiah.

The 5778 Triangle:

The Fibonacci and Lucas number sequences have intrigued amateur and professional mathematicians for centuries. The Fibonacci sequence begins with 0, 1 while the Lucas sequence begins with 2, 1. After that, the next integer in either sequence is simply found by adding the previous two numbers. The illustration at the top of this page shows this pattern. I do not discuss the Fibonacci number design in this article but they are found in the smallest of life to the spiral Milky Way galaxy, and all spiral galaxies.

These number sequences appear frequently in nature, such as the branching in trees, the arrangement of leaves on a stem, the spirals of a sunflower, the flowering of artichoke, an uncurling fern and the arrangement of a pine cone. Try it for yourself. Pick up a pine cone. Notice how the segments are arranged in spirals - one set of spirals going one way (in green in the picture), and another set of spirals going the other way (in red). Now count the number of spirals. It will always be a Fibonacci number, and the opposite spirals will always be an adjacent Fibonacci number. The same is true for pineapples, cauliflowers, broccoli, you name it. The opposite spirals on a pinecone are always consecutive Fibonacci numbers (commonly 8 and 13, or 5 and 8).
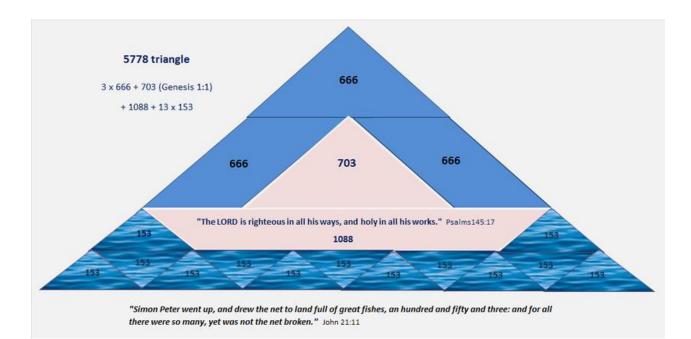
These numbers are closely related to the golden ratio. By dividing a number in either sequence by its predecessor, an approximation of the golden ratio, **phi** or **φ** is achieved. The higher the numbers, the more precise the approximation. It can never be exact because **phi** is an irrational number, which means it cannot be expressed as any two integers a/b.

For example, **5778** / 3571 = 1.618034... which is very close to the exact value of **phi** which is $(1 + \sqrt{5}) / 2$. Note that **phi**, the golden ratio, is not to be confused with Euler's totient function. Although both use the same Greek symbol **φ**, they are unrelated functions.

5778 is the sum of four consecutive Fibonacci numbers (...610, 987, 1597, 2584...), but what makes **5778** special is that despite an infinite number of Lucas numbers, it has been proven that only three of these are also triangular. Those numbers are 1, 3 and **5778**. Remarkably, **phi** raised to the 18th power equals **5778**.

- L(18) = **5778**
- ϕ^{18} = **5778**
- **5778** = 18 x 321

The significance of number 18 can be appreciated when the **5778** triangle is deconstructed into 18 segments. This is visualized in the Pyramid or Triangle below.

5778 triangle

3 x 666 + 703 (Genesis 1:1)

+ 1088 + 13 x 153

666

666   703   666

"The LORD is righteous in all his ways, and holy in all his works." Psalms145:17

153   1088   153

153   153   153   153   153   153   153   153   153

"Simon Peter went up, and drew the net to land full of great fishes, an hundred and fifty and three: and for all there were so many, yet was not the net broken." John 21:11

It can be seen that the Genesis 1:1 triangle (and its constituent parts) together with the mysterious triangular number **153** figure prominently in the 18 piece **5778** jigsaw. The overall picture is a tolerable illustration of the miraculous catch of fish outlined in John 21. The three pieces representing the sky total 1998, which is the gematria value of "***In the beginning God created the heaven...***" from Genesis 1:1, while the 1088 trapezium (the boat upon the waters) matches the gematria value of Psalm 145:17.

"The LORD is righteous in all his ways, and holy in all his works"
מעשיו בכל וחסיד דרכיו בכל יהוה צדיק
426   52   88   240   52   26   204   =   **1088**

- 153 x 13 = 1989
- mass of the sun = 1.989 x 10^{30} kg

Notice how the key numbers from the **5778** triangle all reduce to 9:

- 5 + 7 + 7 + 8 = 27, and 2 + 7 = **9**
- sky = 6 + 6 + 6 = 18, and 1 + 8 = **9**
- water = 1 + 5 + 3 = **9**
- boat = 1 + 0 + 8 + 8 + 7 + 0 + 3 = 27, and 2 + 7 = **9**
- Psalm 145:17 gives 1 + 4 + 5 + 1 + 7 = 18, and 1 + 8 = **9**
- sky - water = 1998 - 1989 = **9**
- John 21:11 gives 21/11 = 1.**9090909**...

Without doubt, **5778** is an important gematria number. Of particular interest is that **5778** on the Hebrew calendar coincides with 2017-2018 on the Gregorian calendar.

5778 on the Hebrew calendar:

The Hebrew year **5778** coinciding with **2018** on the Gregorian calendar is significant, as it was in the year 2018 B.C. or AM that God made the first covenant with Abraham. (AM = *Anno Mundi*, or years since creation). This was 70 years after Abraham's birth in 1948 B.C. or AM. The new independent state of Israel was established in 1948 Gregorian, so 2018 will also be 70 years (or a generation, see Psalms 90:10) since then.

- **5778** (Hebrew calendar) = **2018** (Gregorian calendar)
- **1743 BC** (Gregorian calendar) = **2018** (Hebrew calendar)
- Birth of Abraham until Abrahamic covenant = **70 years**
- Birth of King David until his death = **70 years**
- Birth of the independent state of Israel until 2018 = **70 years**

"The days of our years are threescore years and ten; and if by reason of strength they be fourscore years..." -(Psalm 90:10a).

	Hebrew calendar	Gregorian calendar BC
King David born	2854	906
King David died	2924	837
add the numbers	5778	1743

"Verily I say unto you, This generation shall not pass, till all these things be fulfilled." -(Matthew 24:34)

- ϕ^{18} = **5778**
- **5778** is the **107th** triangular number
- There are **107** verses spoken by Jesus in the Sermon on the Mount. -(Matthew 5:3 - 7:27)
- surface temperature of the sun = **5778° K**

The Hebrew word for mankind is spelled *"ADM"*, which many kabbalists say is an acronym for **A**dam - **D**avid - **M**oshiach. King David was born in 906 B.C.E, which is 2854 on the Hebrew calendar. David is the comprehensive soul of all mankind, and is the forerunner of Moshiach, who brings about redemption for all mankind. David lived for 70 years, so the midpoint of his life was in the 2889th year since creation. This year was also half way towards the year **5778**! Is that coincidental? Not likely when one considers the Covenant of Halves.

King David (2854-2924)

0	2889	5778
Adam	David	Messiah

ADM (אדם) = Mankind

The half way point in David's life was the half way point between the year of creation and **5778** (2018). This relates to the term "The Covenant of Halves".

The story of God's covenant with Abraham includes a strange ritual, described in an eerie scene in the book of Genesis. *"Look toward heaven and count the stars, if you are able to count them." Then he said to him, "So shall your descendants be."* And he believed the Lord; and the Lord reckoned it to him as righteousness. Then he said to him, *"I am the Lord who brought you from Ur of the Chaldeans, to give you this land to possess."* But he said, *"O Lord God, how am I to know that I shall possess it?"* He said to him, *"Bring me a heifer three years old, a female goat three years old, a ram three years old, a turtledove, and a young pigeon."* He brought him all these and cut them in two, laying each half over against the other; but he did not cut the birds in two. And when birds of prey came down on the carcasses, Abram drove them away.

"As the sun was going down, a deep sleep fell upon Abram, and a deep and terrifying darkness descended upon him. Then the Lord said to Abram, "Know this for certain, that your offspring shall be aliens in a land that is not theirs, and shall be slaves there, and they shall be oppressed for four hundred years; but I will bring judgment on the nation that they serve, and afterward they shall come out with great possessions. As for yourself, you shall go to your ancestors in peace; you shall be buried in a good old age. And they shall come back here in the fourth generation; for the iniquity of the Amorites is not yet complete." When the sun had gone down and it was dark, a smoking fire pot and a flaming torch passed between these pieces. On that day the Lord made a covenant with Abram, saying, *"To your descendants I give this land […]"* (Genesis 15:5-18)

What was the reason for this odd ritual, with animals cut in half and fire passing between the pieces? The ceremony was actually based on the way ancient covenants were made between people in Bible times. A covenant was a solemn agreement, a binding oath between two parties, which was sealed by blood. The usual steps in a covenant were these: First, the terms of the agreement were decided upon. If there were rewards for keeping to the terms, they were spelled out, along with any punishments for breaking them. Second, binding oaths were sworn. An animal was sacrificed, and then the body was cut in half. (In fact, the actual phrase in Hebrew, usually translated as "making a covenant," is really literally "cutting a covenant.") The two parties then walked between the animal halves. They made sure to make contact with the blood, by stepping in it. This was a kind of self-curse. They were in effect saying, "If I break the covenant, then may what happened to this animal, happen to me."

A vivid illustration of this self-curse and its penalty may be found in the book of Jeremiah, in which God declares that the people have broken part of the covenant they made with him at Mount Sinai. The agreement they had made was this: *"If a member of your community, whether a Hebrew man or a Hebrew woman, is sold to you and works for you six years, in the seventh year you shall set that person free."* -(Deuteronomy 15:12).

God says through Jeremiah, *"You yourselves recently repented and did what was right in my sight by proclaiming liberty to one another, and you made a covenant before me in the*

house that is called by my name; but then you turned around and profaned my name when each of you took back your male and female slaves, whom you had set free according to their desire, and you brought them again into subjection to be your slaves. Therefore, thus says the Lord: You have not obeyed me by granting a release to your neighbors and friends; I am going to grant a release to you, says the Lord--a release to the sword, to pestilence, and to famine. I will make you a horror to all the kingdoms of the earth. And those who transgressed my covenant and did not keep the terms of the covenant that they made before me, I will make like the calf when they cut it in two and passed between its parts: the officials of Judah, the officials of Jerusalem, the eunuchs, the priests, and all the people of the land who passed between the parts of the calf shall be handed over to their enemies and to those who seek their lives. Their corpses shall become food for the birds of the air and the wild animals of the earth." -(Jeremiah 34:15-20).

The covenant with Abraham, though, is different. Abraham asks how he can be sure he will receive the land, and God's answer is to swear a binding oath, a covenant, according to the rituals used at the time. The terms are spelled out in a description of the future, and the animals are cut in half. But notice that Abraham does not walk through the animal halves. Only the fiery representation of God passes between them. This is an <u>unconditional covenant</u>, in which only God makes a promise – Abraham only needs to accept it.

To modern people, the necessity for blood to seal a covenant may seem distasteful, nevertheless, it was the way things were done. The covenant between God and the Jews at Mount Sinai was also sealed with blood. *"And Moses wrote down all the words of the Lord. He rose early in the morning, and built an altar at the foot of the mountain, and set up twelve pillars, corresponding to the twelve tribes of Israel. He sent young men of the people of Israel, who offered burnt offerings and sacrificed oxen as offerings of well-being to the Lord. Moses took half of the blood and put it in basins, and half of the blood he dashed against the altar. Then he took the book of the covenant, and read it in the hearing of the people; and they said, "All that the Lord has spoken we will do, and we will be obedient."* Moses took the blood and dashed it on the people, and said, *"See the blood of the covenant that the Lord has made with you in accordance with all these words."* -(Exodus 24:1-8)

Understanding this helps us to understand the story of Jesus at the Last Supper. There, Jesus spoke of a new covenant which was also to be sealed by blood. *"While they were eating, Jesus took bread, and after giving thanks he broke it, gave it to his disciples, and said, "Take, eat, this is my body." And after taking the cup and giving thanks, he gave it to them, saying, "Drink from it, all of you, for this is my blood, the blood of the covenant, that is poured out for many for the forgiveness of sins."* -(Matthew 26:26-28) Just as ancient parties made contact with the blood of a covenant by stepping between the animals, we can make contact with the blood of the new covenant when we take part in the sacrament of Communion, whether we think of it symbolically or literally. In baptism, and in faith, we pledge our own loyalty to this covenant, which is described by Jeremiah:

"The days are surely coming, says the Lord, when I will make a new covenant with the house of Israel and the house of Judah. It will not be like the covenant that I made with their ancestors when I took them by the hand to bring them out of the land of Egypt--a covenant that they broke, though I was their husband, says the Lord. But this is the covenant that I will make with the house of Israel after those days, says the Lord: I will put my law within them, and I will write it on their hearts; and I will be their God, and they shall be my people. No longer shall they teach one another, or say to each other, "Know the Lord," for they shall all know me, from the least of them to the greatest, says the Lord; for I will forgive their iniquity, and remember their sin no more." -(Jeremiah 31:31-34)

It is said that Adam was created to live for 1,000 years, but gifted King David 70 years of his life (Zohar 1, 55a). Together, the years of the lives of Adam (930) and David (70) sum to the 1,000 years of the Messianic era (the millennium). You can read more about the significance of 2018 / **5778** at kabbalahsecrets.com. I would be remiss here that Christianity does not recognize Kabbalah and especially the Zohar. This in no way devalues or demeans their work on Bible gematria. Gematria is a mathematical system and stands or falls on its ability to be reproduced or replicated. It is also unique to the two Biblical languages of Hebrew and Greek.

Gematria in the Bible:

Gematria provides convincing evidence of the Bible's Divine Authorship - just the first seven words of the Hebrew Bible are all it takes to affirm that God is the Creator. In the Jewish tradition, the letters of the Hebrew alphabet are the building blocks of creation, and the Torah is the blueprint. The gematria within the Bible supports this view.
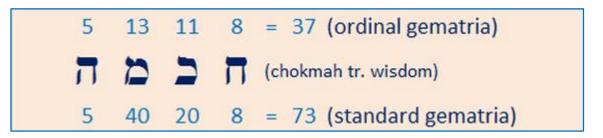
Much has been spoken about the richness of the biblical text, but less well known is the numerical patterns to be found within the text. Gematria is a system of applying numerical value to a word or phrase, and applies to both the Hebrew and Greek alphabets. Each letter has a numerical value, and the system is perfectly logical - the first ten letters of the alphabet are assigned numbers one through ten, the numbers then increment by tens to one hundred and then by hundreds. So for the basic 22 letters of the Hebrew alphabet, the gematria values are found in the following diagram. Near the bottom of this article, you will find the complete Hebrew and Greek gematria, basic and complete. This is the basis of God's DNA that lays beneath the surface text of your Bible.

Aleph	Bet	Gimel	Dalet	Hey	Vav	Zayin	Chet	Tet	Yud	Kaf
א	ב	ג	ד	ה	ו	ז	ח	ט	י	כ
										ך
1	2	3	4	5	6	7	8	9	10	20

Lamed	Mem	Nun	Samech	Ayin	Pey	Tsaddi	Kuf	Resh	Shin	Tav
ל	מ	נ	ס	ע	פ	צ	ק	ר	ש	ת
	ם	ן			ף	ץ				
30	40	50	60	70	80	90	100	200	300	400

The letters of the Hebrew alphabet, with their standard gematria values

For those letters with two entries, the lower characters are used at the end of a word. The values shown are used in what is termed standard gematria. Another method, termed ordinal gematria, assigns a number equal to a letter's place in the alphabet, one through twenty-two.
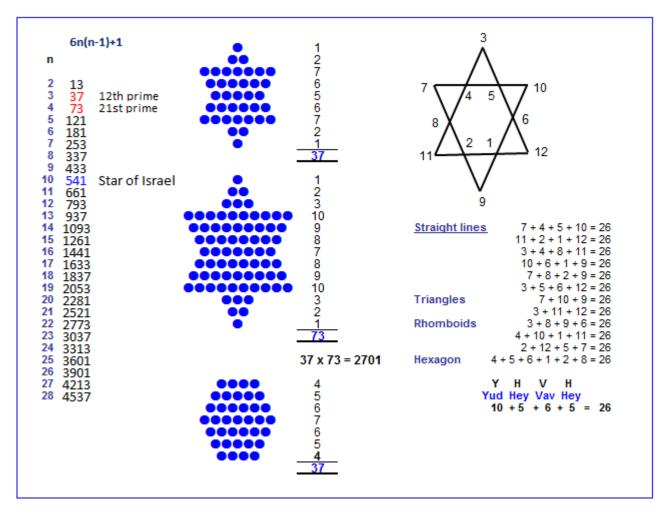
For example, consider the word "*wisdom*" or *"chokmah"* in Hebrew (remember that Hebrew script is read from right to left):

5   13   11   8   = 37 (ordinal gematria)

ה   מ   כ   ח   (chokmah tr. wisdom)
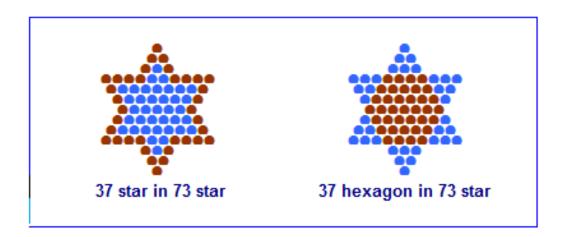
5   40   20   8   = 73 (standard gematria)

It so happens that this Hebrew word, and these numbers will prove crucial to what follows. Numbers 37 and 73 should not be considered ordinary by any means.

- 37 and 73 are reflective numbers
- 37 and 73 are the 12th and 21st prime numbers respectively
- 12 and 21 are reflective numbers
- 12^2 (144) and 21^2 (441) are also reflective numbers
- 73 is the 37th odd number
- human body temperature = 37 degrees Celsius

Both 37 and 73 are star numbers, and 37 is also a hexagonal number. The gematria for "*Israel*" (ישראל) is 541 which is also a star number. The association between the Creator and the "Star of David" should be obvious from the following diagram:

n	6n(n-1)+1	
2	13	
3	37	12th prime
4	73	21st prime
5	121	
6	181	
7	253	
8	337	
9	433	
10	541	Star of Israel
11	661	
12	793	
13	937	
14	1093	
15	1261	
16	1441	
17	1633	
18	1837	
19	2053	
20	2281	
21	2521	
22	2773	
23	3037	
24	3313	
25	3601	
26	3901	
27	4213	
28	4537	

37 x 73 = 2701

Straight lines	7 + 4 + 5 + 10 = 26
	11 + 2 + 1 + 12 = 26
	3 + 4 + 8 + 11 = 26
	10 + 6 + 1 + 9 = 26
	7 + 8 + 2 + 9 = 26
	3 + 5 + 6 + 12 = 26
Triangles	7 + 10 + 9 = 26
	3 + 11 + 12 = 26
Rhomboids	3 + 8 + 9 + 6 = 26
	4 + 10 + 1 + 11 = 26
	2 + 12 + 5 + 7 = 26
Hexagon	4 + 5 + 6 + 1 + 2 + 8 = 26

Y H V H
Yud Hey Vav Hey
10 + 5 + 6 + 5 = 26

The relationship between these two numbers can be appreciated when it can be seen that the 37 star and the 37 hexagon both fit neatly inside the 73 star.

37 star in 73 star   37 hexagon in 73 star

20

Genesis 1:1

The first verse of the Hebrew Bible consists of just 7 words and 28 letters, but is a powerful and precise account of the creation of the universe. Much has been done to reveal the remarkable gematria of this famous verse by researcher Vernon Jenkins.

האָרץ	ואת	השמים	את	אלהים	ברא	בראשית
the earth	and	the heaven	(untranslated)	God	created	In the beginning
296	407	395	401	86	203	913

These words from Genesis 1:1 sum to 2701, which is 73 x 37 and the 73rd triangular number. Note that the gematria values of the first letter of each of these seven words sum to 22:

- bet=2, bet=2, aleph=1, aleph=1, hey=5, vav=6, hey=5
- 2 + 2 + 1 + 5 +6 + 5 = 22, the numeric equivalent of the letters in the Hebrew alphabet

Also note the gematria values of the first three words, which when strung together are 91320386 (*"Bereshith bara Elohim"*). The first occurrence of 91320386 in *pi* is followed by the three digits 232. In the Bible's third verse, God said, Let there be light. The gematria value of יהי אור (*"Let there be light"*) is 232.

The numeric string **91320386** appears at the 136,010,766th decimal digit of Pi.

```
092425087829716083279132038623293305453564666493
                          ^ <-- 136,010,766th digit
```

In the Zohar, these first three words are deeply mysterious. *Bereshith* represents the primordial mystery, *Bara* represents the mysterious source from which the whole world expanded, and *Elohim* represents the force which sustains all below [Bereshith 15 b]. It is written: ***"And they that be wise shall shine as the brightness of the firmament; and they that turn many to righteousness as the stars for ever and ever."*** -(Daniel 12:3). There was indeed a brightness, which in Hebrew is זהר (Zohar). The Most Mysterious struck its void, and caused this point to shine. [Bereshith 15a]. "Bereshith" is Hebrew for Genesis.

- the gematria value of זהר (Zohar, meaning "*brightness*") is 212
- the first occurrence of 212 in *pi* is preceded by 611, the gematria value of תורה (Torah)
- the gematria value of אור יהי (*"Let there be light"*) from Genesis 1:3 is 232
- the gematria value of כזהר ("*as the brightness*") from Daniel 12:3 has a gematria value of 232
- the word "*brightness*" appears **22X** times in the Bible (KJV)

The Zohar says: The Most Mysterious Power remained wholly unknowable until from the force of the strokes there shone forth a supernal and mysterious point. Beyond that point there

is no knowable, and therefore it is called *"Reshith"* (beginning), the creative utterance which is the starting-point of all. -[Bereshith 15 a].

- The phrase כזהר יזהרו והמשכלים (*"And they that be wise shall shine as the brightness"*) has a gematria value of 911
- the gematria value of ראשית (*"Reshith"*) is 911

There is a remarkable number sequence which appears early within the decimal digits of *e*. The first words spoken by Elohim were *"Let there be light"* in Genesis 1:3.

- Genesis 1:3 has a gematria value of 813
- *Let there be light* has a gematria value of 232
- *Elohim* has a gematria value of 86

Beginning from position 159 in *e*, the first occurrences of 813, 232 and 86 appear consecutively:
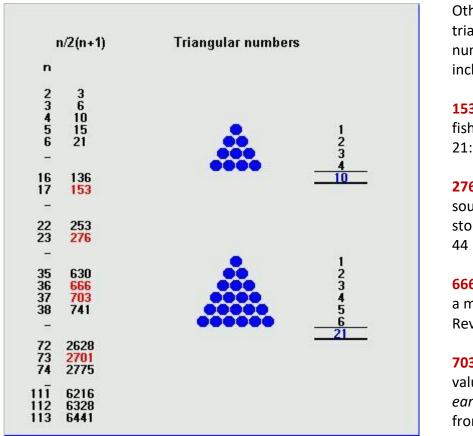
The numeric string **81323286** appears at the 159th decimal digit of E.

90033429526059563073**81323286**279434907632338 29880
^ <-- 159th digit

- the 159th prime number is 937, which is the 13th star number
- there are 159 Hebrew words in the first 13 verses in the Torah
- the first 13 Bible verses describe the first 3 days of creation
- up to and including Genesis 3:13, there are 937 Hebrew words in the Torah

Triangle Numbers:

107 is a prime number. Prime numbers can be thought of as the foundational elements from which all numbers are built. 107 is both the 29th prime number and a triangle number. The sum of all the primes from 1 to 107 is 1,372, which is 2^2 squared times 7^3 (4 – 43). There is a whole array or set of numbers that emerge from **5778** when we apply basic number theory to it. The most important Biblical reference to **107** is that it is the value of the first two words of the Ten Commandments, "I am *Havayah* your God who has taken you out of Egypt" in Exodus 20:2. All the numbers from 1 to 107 add up to the Hebrew year of **5778,** or **2018!** This is as simple as I can make it, I would need twenty pages to elaborate on its significance!
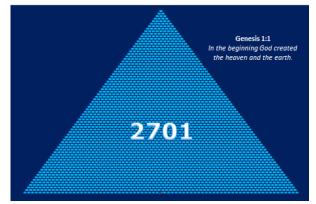
Other interesting triangular Bible numbers include:

153 - the number of fish caught in John 21:1-14

276 - the number of souls saved from the storm in Acts 27:14-44
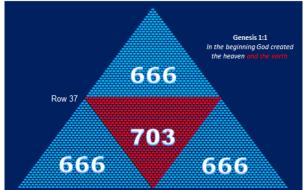
666 - the number of a man from Revelation 13:18

703 - the gematria value for "*and the earth*" (407 + 296) from Genesis 1:1

The 2701 triangle can be divided into four separate triangles in the form 3A + B = 2701, where A = 666 and B = 703.

Genesis 1:1 gematria = 73 x 37 = 2701
perimeter = 216 = 6 x 6 x 6

3 x 666 = 1998 (*In the beginning God created the heaven*...) 1998 + 703 = 2701

- $2701^2 = 7,295,401$
- 7 + 295 + 401 = 703
- $703^2 = 494,209$
- 494 + 209 = 703

Also note that 2701 = 26² + 45². The gematria values of יהוה (**YHWH**) and Adam (אדם) are 26 and 45 respectively. The gematria value of Eve (in Hebrew Chavah or חוה) is 19, which is 45 - 26.

 "So God created man in his own image, in the image of God created he him; male and female created he them" -(Genesis 1:27)

John 1:1:

Genesis 1:1 and John 1:1 are the 1st and 26,046[th] verses in the Bible (KJV). (The King James Bible has 31,102 verses).
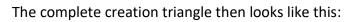
- 26,046 - 1 = 26,045

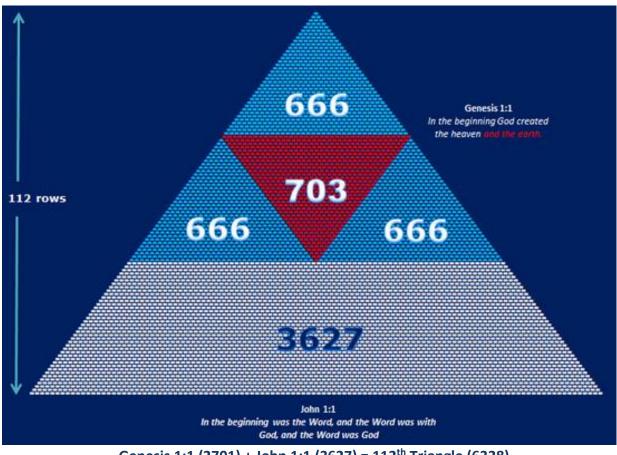The first occurrence of 26045 in *pi* begins from position 18,648.

- 18 + 648 = 666

εν αρχηι ην ο λογος και ο λογος ην προς τον θεον και θεος ην ο λογος
"In the beginning was the Word, and the Word was with God, and the Word was God."
55 719 58 70 373 31 70 373 58 450 420 134 31 284 58 70 373 = **3627**

In Greek gematria, this verse has a value of **3627**. Initially, this number seems unremarkable. Not triangular, not a star number, not divisible by 37. But 3627 forms a trapezium, which fits perfectly with the Genesis triangle to form the 112th triangle. So 2701 + 3627 = 6328. The number of rows (112) is also the gematria value for "The LORD God -YHWH Elohim" (אלהים יהוה).

- the tradition is that there are 613 commandments in the Torah.
- 613 is the 112th prime number.

The complete creation triangle then looks like this:

Genesis 1:1 (2701) + John 1:1 (3627) = 112th Triangle (6328)

Genesis 1:1 has 7 Hebrew words and 28 letters, and John 1:1 has 17 Greek words and 55 letters.

- (7 x 28) + (17 x 55) = 1080

The prophet Isaiah recognized that God doesn't need sacrifice or ritual observance, and that the Temple exists for the sake of humanity, not for the benefit of God.

"Thus saith the LORD, The heaven is my throne, and the earth is my footstool where is the house that ye build unto me? and where is the place of my rest?" –(Isaiah 66:1) (see also 1st Kings 8:27)

The phrase *"The heaven is my throne, and the earth is my footstool"* (השמים כסאי והארץ הדם רגלי) has a gematria value of 1080. This verse was repeated in Acts of the Apostles -(Act 7:49). These two similar passages are verse numbers 18,924 and 27,166 in the Bible (KJV).

- 27166 - 18924 = 8242
  The first occurrence of 8242 in *pi* begins from position 30,328.
- 30 + 328 = 358, the gematria value of משיח (Moshiach, meaning *"Messiah"*)

In Balaam's second oracle -(Numbers 23:11-24) Balak erred in thinking that more sacrifices were required in order to obtain God's favor. His underestimation of God's constancy, and particularly his devotion to Israel, was mocked by the narrator:

"God is not a man, that he should lie; neither the son of man, that he should repent: hath he said, and shall he not do it? or hath he spoken, and shall he not make it good?" –(Numbers 23:19).

The term אדם בן (ben Adam, meaning *"son of man"*) has a gematria value of 97. The first occurrence of 97 in *pi* is preceded by the three digits 358, the gematria value of משיח (Moshiach).

The gematria values of Genesis 1:1 and John 1:1 is 2701 and 3627 respectively. The first occurrence of 27013627 in both *e* and *phi* (the golden ratio) are preceded by the same four digits:

The numeric string **27013627** appears at the 9,676,796th decimal digit of

498006888491368476242**70136274**23058188890541806199
                     ^ <-- 9,676,796th digit

The numeric string **27013627** appears at the 264,972,447th decimal digit of Phi.

418781950065049076242**70136277**47389746343363770708
                     ^ <-- 264,972,447th digit

Paul's letter to the Romans addresses the place of Israel in God's overall purpose. He makes a distinction between Abraham's mere natural posterity and his spiritual children:

"Not as though the word of God hath taken none effect. For they are not all Israel, which are of Israel:" –(Romans 9:6).

ουχ οιον δε οτι εκπεπτωκεν ο λογος του θεου ου γαρ παντες οι εξ ισραηλ ουτοι ισραηλ
 1070 200 9 380 1365 70 373 770 484 470 104 636 80 65 349 850 349
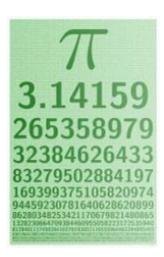= **7624**

The term (*"the word of God"*) has a gematria value of 1697, which is the 265th prime number. The first occurrence of 265 in *pi* is followed by the three digits 358, the gematria value of משיח (Moshiach).

The first occurrence of 27013627 in *pi* begins from position 62,418,439
62 + 418 + 439 = 919, the gematria value of μελχισεδεκ (*Melchisedec*)

Jesus Christ
Ιησους   Χριστος
888   +   1480   =   2368

- 2701 x 888 = 2,398,488
- 2 + 398 + 488 = 888
- 2701 x 1480 = 3,997,480
- 3 + 997 + 480 = 1480

2 x 3 x 6 x 8 = 288. The first occurrence of 2368 in **pi** is followed by 288. The totient of 888 (Jesus) is 288.

Math in the Bible

Another remarkable proof from the gematria of Genesis 1:1 and John 1:1 is the discovery of the values of key mathematical constants to a high degree of accuracy. The calculation of transcendental numbers π and e, along with the fine structure constant, also known as alpha (α) attest to the authenticity of the text. The identical method to obtain π and e from separate creation accounts and from different covenants is evidence of the oneness of the Bible, and the hand of the Creator in its compilation.

The accuracy of π calculated from the book of Genesis remained un-surpassed for over 1,700 years from the giving of the Torah to Moses in 1313 B.C. Similarly, the accuracy of e from the book of John (written in 96 A.D.) wasn't improved for over 1,600 years.

For the full π formula, copy and paste into a spreadsheet program:
=(28*2*200*1*300*10*400*2*200*1*1*30*5*10*40*1*400*5*300*40*10*40*6*1*400*5*1
*200*90)/(7*913*203*86*401*395*407*296)

        As remarkable as is the estimate of 3.14155 for **pi** from the first verse in the Bible, even more amazing is the fact that the same six digits can be construed from the first verse of the New Testament (Matthew 1:1). In this verse, the first word βιβλος ("***Biblos***") meaning "*The book*" has a numerical value of 314. Beginning from position 314 in **pi** are the three digits 155 to complete the sextuple.

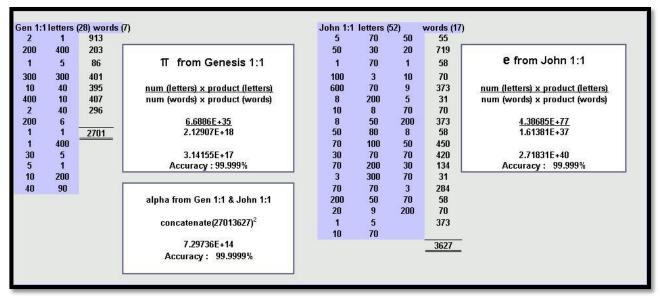25 decimal digits of Pi starting from position 314:

1558817488152092096282925

The fine structure constant (alpha) is much better known by it's inverse, which is essentially 137.

What are the odds? Using the same methodology, π and *e* are calculated to five significant figures from the first verses in the Books of Genesis and John respectively. The decimal system has ten digits, so the probability of matching a single digit is 1/10, except the first digit which can't be zero. Extrapolating, the probability of matching five digits becomes 1/9 x 1/10 x 1/10 x 1/10 x 1/10, or 1/90,000 (one chance in ninety thousand). The probability of calculating π and *e* from these two **"In the beginning"** verses, to five significant figures and using the same methodology, therefore becomes 1/900,000 x 1/90,000 or one in 8.1 billion! The likelihood of this being purely random chance therefore becomes almost ridiculous.

Skeptics may rightly claim that the sample should include the first verses from all the books in the New Testament, not just John. There are 27 books in the New Testament, so the probability then becomes 1 chance in 300 million.

But wait, I hear you say, it should apply to *any* verse from the New Testament, not just the opening verses. There are 7,957 verses in the New Testament, so after applying this stringent

condition the probability becomes 1 chance in 1.02 million. Any way you cut it, the odds are astronomical!

Relying entirely on statistical probabilities is controversial, however the hypothesis in this case is supported by both the gematria and the complementary geometry between Genesis 1:1 and John 1:1.

According to a Midrash, the Torah was created prior to the creation of the world, and was used as the blueprint for Creation. The teachings of the Torah were given by God to Moses in **1313 B.C.E**. The majority of Biblical scholars believe that the written books were compiled

between approximately 600 B.C.E. and 400 B.C.E. In any event, the accuracy of the π approximation revealed in the first verse of the Book of Genesis remained unsurpassed for millennia.

The very first reference to π is to be found in a 2000 B.C.E. clay tablet cuneiform script held at the British Museum. It's value, based on an octagon, was estimated as 256/81 or 3.1605.

- the words "*Jesus*" and "*Christ*" appear together in 256 Bible verses (KJV)
- the phrase "*Lord Jesus Christ*" appears in 81 Bible verses (KJV)

This remained the best approximation until the time of Archimedes (287-212 B.C.E), who used a 92 sided polygon to estimate 3 10/71 < π < 3 1/7, giving an average value of 3.14185.

The accuracy of Archimedes calculation remained unsurpassed for 500 years, until Chinese mathematician Liu Hui (c. 225 C.E.) used a 192 sided polygon to improve the approximation to 3.1416.

The Rhind Papyrus held by the British Museum, dating from c 1650 B.C.E., which includes an approximation for π (3.1605) based on the Babylonian clay tablet from c 2000 BCE.

Another Chinese national, Zu Chongzhi (429-500 CE), was the first mathematician to surpass the accuracy of the Genesis formula when he used a 24,576 sided polygon to estimate π as being between 3.1415926 and 3.1415927. Zu proposed a fractional estimate of 355/113 which has become known as "Zu's Ratio". It is now known that this is the most accurate fractional approximation of π possible using a denominator less than 16,604. This was an incredible achievement unmatched by European, Indian or Middle Eastern mathematicians for about 1,000 years!

The accuracy to 7 decimal places established by Zu Chongzhi was finally surpassed by Persian mathematician Jamshīd al-Kāshī in 1400 C.E., who extended the accuracy to 16 decimal places, which became the benchmark for a further 200 years.

Consider the 96, 192 and 24,576 sided polygons used by Archimedes, Liu Hui and Zu Chongzhi in their efforts to approximate the value of π. These numbers share a striking pattern in binary notation:

- 96 = 1100000 in binary
- 192 = 11000000 in binary
- 24,576 = 110000000000000 in binary (13 zeroes)

- the totient of 24576 = 8192 = 2^{13}
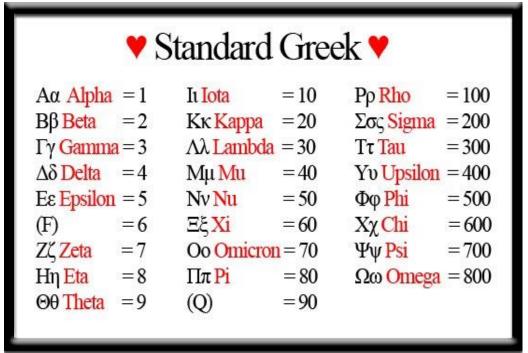- 8192 = 10000000000000 in binary (13 zeroes)

A 2015 postage stamp from Hong Kong honoring the achievement of Zu Chongzhi. Note the polygonal method used by Zu, Liu and Archimedes to achieve their respective approximations of π.

The gospels are known to have been written during the first century A.D., well before the first vague reference to the concept of the irrational number *e* in an appendix to John Napier's work on logarithms in 1618 (a nod to the golden ratio, which is 1.618). The *e* notation made its first appearance in a letter Euler wrote in 1731. He made various discoveries regarding *e* in the following years, but it was not until 1748 when he published '*Introduction in Analysin infinitorum*' that he gave a full treatment of the ideas surrounding *e*. He showed that $e = 1 + 1/1! + 1/2! + 1/3! + ...$ and that *e* is the limit of $(1 + 1/n)n$ as *n* tends to infinity. Euler gave an approximation for *e* to 18 decimal places, *e* = 2.718281828459045235. The accuracy of the value of *e* obtained from the John 1:1 calculation wasn't surpassed for over 1,600 years!

There are two primary codes in gematria in both Greek and Hebrew called the standard and ordinal. The six charts below provide readers with the basic concept and gematria.

♥ **Standard Hebrew** ♥

א Aleph	= 1	י Yod	= 10	ק Qoph	= 100
ב Beth	= 2	כ Kaph	= 20	ר Resh	= 200
ג Gimel	= 3	ל Lamed	= 30	ש Shin	= 300
ד Daleth	= 4	מ Mem	= 40	ת Tav	= 400
ה Heh	= 5	נ Nun	= 50		
ו Vav	= 6	ס Samekh	= 60		
ז Zayin	= 7	ע Ayin	= 70		
ח Cheth	= 8	פ Peh	= 80		
ט Teth	= 9	צ Tzaddi	= 90		

♥ Standard Greek ♥

Αα Alpha	= 1	Ιι Iota	= 10	Ρρ Rho	= 100
Ββ Beta	= 2	Κκ Kappa	= 20	Σσς Sigma	= 200
Γγ Gamma	= 3	Λλ Lambda	= 30	Ττ Tau	= 300
Δδ Delta	= 4	Μμ Mu	= 40	Υυ Upsilon	= 400
Εε Epsilon	= 5	Νν Nu	= 50	Φφ Phi	= 500
(F)	= 6	Ξξ Xi	= 60	Χχ Chi	= 600
Ζζ Zeta	= 7	Οο Omicron	= 70	Ψψ Psi	= 700
Ηη Eta	= 8	Ππ Pi	= 80	Ωω Omega	= 800
Θθ Theta	= 9	(Q)	= 90		

♦ Ordinal Hebrew ♦

א Aleph	= 1	י Yod	= 10	ק Qoph	= 19
ב Beth	= 2	כ Kaph	= 11	ר Resh	= 20
ג Gimel	= 3	ל Lamed	= 12	ש Shin	= 21
ד Daleth	= 4	מ Mem	= 13	ת Tav	= 22
ה Heh	= 5	נ Nun	= 14		
ו Vav	= 6	ס Samekh	= 15		
ז Zayin	= 7	ע Ayin	= 16		
ח Cheth	= 8	פ Peh	= 17		
ט Teth	= 9	צ Tzaddi	= 18		

◆ Ordinal Greek ◆

Αα Alpha	= 1	Ιι Iota	= 9	Ρρ Rho	= 17
Ββ Beta	= 2	Κκ Kappa	= 10	Σσς Sigma	= 18
Γγ Gamma	= 3	Λλ Lambda	= 11	Ττ Tau	= 19
Δδ Delta	= 4	Μμ Mu	= 12	Υυ Upsilon	= 20
Εε Epsilon	= 5	Νν Nu	= 13	Φφ Phi	= 21
(F)*		Ξξ Xi	= 14	Χχ Chi	= 22
Ζζ Zeta	= 6	Οο Omicron	= 15	Ψψ Psi	= 23
Ηη Eta	= 7	Ππ Pi	= 16	Ωω Omega	= 24
Θθ Theta	= 8	(Q)*		* = Dead Letter	

There are two secondary codes in gematria. The first being the Sophit final forms which added five semi-letters. These were a determination by Hebrew scribes centuries after the Resurrection of Christ.

The other is the 'In-full' spelled out code. Since the letters of both the Hebrew and Greek alphabets have spellings all their own, these too can be represented as numbers. The spellings of which come from ancient authorities, in both Greek and Hebrew in the Talmud.

♠ Hebrew Final Forms ♠

א Aleph	= 1	י Yod	= 10	ק Qoph	= 100
ב Beth	= 2	כ Kaph	= 20	ר Resh	= 200
ג Gimel	= 3	ל Lamed	= 30	ש Shin	= 300
ד Daleth	= 4	מ Mem	= 40	ת Tav	= 400
ה Heh	= 5	נ Nun	= 50	ך Kaph	= 500
ו Vav	= 6	ס Samekh	= 60	ם Mem	= 600
ז Zayin	= 7	ע Ayin	= 70	ן Nun	= 700
ח Cheth	= 8	פ Peh	= 80	ף Peh	= 800
ט Teth	= 9	צ Tzaddi	= 90	ץ Tzaddi	= 900

♣ Hebrew Spelled Out In-Full ♣

א Aleph = 111	י Yod = 20	ק Qoph = 186
ב Beth = 412	כ Kaph = 100	ר Resh = 510
ג Gimel = 73	ל Lamed = 74	ש Shin = 360
ד Daleth = 434	מ Mem = 80	ת Tav = 406
ה Heh = 6	נ Nun = 106	
ו Vav = 22	ס Samekh = 120	
ז Zayin = 77	ע Ayin = 130	
ח Cheth = 418	פ Peh = 81	
ט Teth = 419	צ Tzaddi = 104	

♣ Greek Spelled Out In-Full ♣

Αα Alpha = 532	Ιι Iota = 1,111	Ρρ Rho = 900
Ββ Beta = 311	Κκ Kappa = 182	Σσς Sigma = 254
Γγ Gamma = 85	Λλ Lambda = 78	Ττ Tau = 701
Δδ Delta = 340	Μμ Mu = 440	Υυ Upsilon = 1,260
Εε Epsilon = 865	Νν Nu = 450	Φφ Phi = 510
(F)*	Ξξ Xi = 70	Χχ Chi = 610
Ζζ Zeta = 316	Οο Omicron = 360	Ψψ Psi = 710
Ηη Eta = 309	Ππ Pi = 90	Ωω Omega = 849
Θθ Theta = 318	(Q)*	* = Dead Letter

I am well aware the material in this article may be difficult for mathematically challenged folks. I myself experienced difficulty in understanding the depth of gematria years ago.   After a couple readings of the content and study of the formulas, it begins to sink in; the Bible is an incredible document, and certainly not of human hands. If you want to view videos on the subject of gematria, I recommend, even implore, the following sources below.** They offer astonishing visual explanation enabling the viewer to Segway to greater understanding of God's DNA.

**Bible Gematria at https://youtube.com/channel/UCrZTh-TenQVjWxPpWeQ9hcw
**John Kostek at https://www.youtube.com/channel/UC9q0KJz1wLp0-5ScE_FPmEg

I first viewed the above videos from Bible Gematria five years ago. I saved the link but forgot their full title so I could locate it on my hard drive. Then when my last computer was hacked with a directed-energy weapon destroying my hard-drive, I thought I would never find the specific site again. By providence I came across a link to the site and viewed videos with the **5778** reference. I would recommend the viewer first look at John Kostek's videos that serve as an introduction to this, largely unknown, idea of gematria. The Bible Gematria site is more advanced. By that I am saying the viewer is brought to an intermediate understanding through the use of the mathematical properties of *Pi, Phi,* and *e.*

Gematria is not the evil name some would have you believe. The cipher alphabet makes possible the method that has been in existence since the time of the Second Temple to derive insights into the Holy writings and to obtain interpretations of the text. It is God's DNA and integrates mathematical properties of *Pi, Phi,* and *e*, these validate and verify that the Bible is from God. Thanks to the high-speed computer we now know over 22-trillion digits of *Pi*. 39 digits is sufficient to calculate the size of the visible universe to an accuracy of less than the diameter of a Hydrogen atom! When the Bible was written, they knew one or two digits of *Pi*! Or did they?

5778 is the 107th Triangular number.   **5778** is also the surface temperature of the Sun. **5778** alludes to great promise for the People of God, Jew and Christian. Gematria is integral to *Pi, Phi*, and *e*.

The bulk of the content in this article addresses gematria and the mathematical properties found in Genesis 1:1 and John 1:1. As the Bible Gematria videos demonstrate, their work extends well beyond through the Old Testament. I call it God's DNA. I was motivated to share this with folks after the Feast of Trumpets went by without the Rapture happening. I spent several days answering the question from many of you, "Why did the Rapture not occur on September 22/23rd. I was baffled by that as well since this date contained all the elements associated with the Feast of Trumpets or Rosh Hashanah.   Several of my Jewish colleagues reassured me, that as mathematicians they expressed confidence in the soon coming of the Messiah. They reminded me of mathematical properties of **5778 (2018).** It occurred to me that most of you are not familiar with gematria and its existence in the Bible and what it portends for the near future. We

are the end time generation and can conclude Bible gematria was virtually inaccessible to us until the advent of the computer.

Noting above the video sources where one can turn to, I urge you to watch three specific YouTube videos at Bible Gematria.com. You will be blessed beyond imagination. The title of the three I consider as priority include:

** 5778: The Sign of Jonas the Prophet – 1 hr. 20 minutes.
** 5778: The Day of the Lord is Near – 3 hrs. 25 minutes.
** 5778: On the Hebrew Calendar – 58 minutes.

I believe numbers have symbolic meanings, not only in the book of Revelation, but throughout all of Scripture as well. For example: In Matthew 18:22, Jesus tells Peter to forgive someone 70 X 7. We know that does not mean that we are to keep count and quit forgiving at 490 times. It means we are to keep forgiving no matter how many times it may take. In olden times numbers were used symbolically. We still do this today. For instance the number 13 immediately brings to mind things of superstition or bad luck. To those people the number 7 represented divine or spiritual completeness. In my E-book, I shared the evidence revealing that 7 is God's Covenant number.

There is much I could share with readers on gematria, but we ought not lose sight of the fact that Israel will turn **70 in May, 2018**. IF we are still here by then, **2018/5778** will be HUGE on the Prophetic Time Table!!! You all know the "important" 70's in the Bible! David lived 70 years, as well! When he was age 35 – ½ of his life – it was the Hebrew year 2889 B.C. So what you say? Think upon this.

In Hebrew years, **5778 will be our Gregorian Year 2018.** King David lived exactly 70 years. David was born in 2889 B.C. **If you take the year of King David's ½-life – age 35 – the Hebrew year 2889 B.C. – multiplying 2889 times TWO - you get when? The Jewish year 5778!!!!!** Would you like to know more?

Maranatha

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