

A Different Perspective

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Part VI section b

7	6	5	4	3	2	1
אָרֶץ	וְ	שָׁמַיִם	אֵת	אֱלֹהִים	בָּרָא	בְּרֵאשִׁית
earth the	and	heaven the	—	God	created	beginning the In
296	407	395	401	86	203	913

To get an idea of the complexity of the Torah, we need look no further than its first verse, which has exactly **127** different combinations of its **7** words. This is considering only variations in which of the **7** words are being added together, not their order. If we were to consider rearranging their order (permuting them), or their **28** individual letters, their possible combinations would be ridiculously high. Nonetheless, **127** is the **7th** Mersenne Prime.

Mersenne Primes are of the form $f(x) = 2^x - 1$ and $127 = 2^7 - 1$

The sum of those **127** assorted combinations is **172864**. Where did we see that number before? It was in the total gematria of the collective **304,805** letters in the Torah: **21009826**. The sum of its digits was $(2+1+0+0+9+8+2+6) = 28$, and the product of those same digits gave us $(2*1*0*0*9*8*2*6) = 1728$. Then we applied a deeply revealing form of gematria cipher and got an equation which circled us back to the **28** letters of the Torah's first verse:

$${}^4?(P_{(21009826)} / ?_{(21009826)}) = {}^4?(1728/28) = 2.802828$$

Now with the sum of those **127** assorted combinations equal to **172864**, the relevance between the two equations and the entirety of the Torah to its first verse is strengthened. Within those **127** or **2⁷** combinations each word (value) is represented **64** or **2⁶** times, which also means $172864/2701$ (the value of the first verse) equals **64**. Moreover, while $2701 = (73 \times 37)$, the total **127** combined combinations, or **172864**, work out to both 4672×37 and 2368×73 .

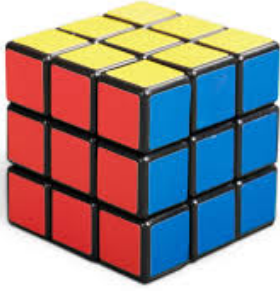


It may be telling that **2368** was the year Moses was born, yet there is another property to these numbers, a geometric one. An odd synergy or linkage is found between these total combinations and the **42-Letter Name** matrix. When we add **4672** and **2368** together, we get **7040**, and when we divide the sum of all **64** value **407**'s by **37** we also get exactly **704**. As it turns out **704** is the value of the **4th** level of the **7** levels of the **42-Letter Name** matrix. Kabbalistically, this is the level connected to Moses.

As for the number **1728** above, there are **7** words and **28** letters in the Torah's first verse and the longest word in the Torah (?????????) is found at Exodus **7:28**. This unique word (?????????) is **10** letter long, and in reverse order, the word, *keter* (???) and the acronym for the **42-Letter Name** (???) are easily found. We are keying in on this word specifically, not for what it means but because it is unique in being **10** letters long and found in the **10** plagues. Utilizing the 4 remaining letters, they spell both *Ohr*(???) , meaning light, and the number **216** (???) , as in the **216** letters to be found **7** verses later in the **72** Triplets. Furthermore, the first 4 letters of this unique word have an ordinal value of **42** and the remaining 6 letters of **70**. We can speculate all day as to why these hidden gems are found in the "kneading bowls" of the Egyptians during the 2nd plague, but all we do know is that every gem networks to another one and another and all these interconnections appear to form a neural network of sorts and also a roadmap of intelligent design, like *keter*(**620**) in this **10**-letter word connecting to the **10** Commandments comprised of **620** letters at the high point (*keter*) of the Torah in the **70th** chapter of the Torah.

Moreover, there are **728** consecutive-word pairs in the Torah that begin with the letters *Mem*(?) and *Bet*(?) , as in the *Mem-bet* (??) or **42-Letter Name**. The more we look, the more all those neural connections seem to be tied into the **42-Letter Name**, which may be why the Torah blatantly told us the Israelites had to go through **42** (??) journeys, each described with the prefixes *Mem*(?) and *Bet*(?) in order to get to the Promised Land. That message could not have been clearer. Are we reading the hidden messages loud and clear as well?

If an advanced intelligence gave us a roadmap of intelligent design could it be just a gigantic Rubik cube to stimulate our minds—not a bad thing in and of itself? Or since we were instructed to preserve it, study it, obey its laws, and read it weekly forever could we assume that it was something much more significant for us? What about if that advanced intelligence was Divine intelligence?



If this intelligent artifact were found on the side of the road somewhere it could indeed be a left behind Rubik's cube from an intergalactic garden party, but we know that is not the case. If we take this intelligently designed document/matrix at face value, Moses was given **173** keys to Heaven, akin to the **173** value of the **42**-Letter Name, and was able to download the entire Torah into his mind, all **5⁸** element, or even **248,000?** elements, and recreate it absolutely perfectly. He also downloaded the designs for the Tabernacle, the Ark of the Covenant, and much more. The Torah takes pains to tell us Moses was a man of specific human origin, not a divine being or a mysterious being who appeared out of nowhere. Is it possible we are being shown how much more our minds can expand and handle? Is it possible we are being shown how?

The Torah also tells us we were given the Torah from love, and gematria tells us that love (**13**) and Oneness(**13**) are synonymous. Again, taking the word of the Torah at face value, might not that mean that this Advanced Intelligence, Divine or otherwise, wants all of us to be able to expand our minds and to free us from our limitations, the limitations bounded by what we collectively perceive as reality.

How interesting that throughout time certain historically evil forces have sought to destroy the Torah and the people who preserve and study it. Despite them and despite overwhelming odds it remains whole and intact for us today.

Also, taking the Torah's words at face value, it is specifically and repeatedly—several thousand times—telling us that this advanced intelligence is specifically Divine Intelligence. Perhaps it was always known that more than any other message this one about Divine Intelligence would have to be hammered home since it would be the hardest one for us to accept.

Cubes

Whether we take the number **1728** independently or split apart the number **172864** into **1728** and **64** we see that **1728 = 12³** is a perfect cube of **12 x 12 x 12**, and that **64 = 4 x 4 x 4**, another perfect cube of **4³**. Moreover, since **1728/64 = 27** we can fit exactly **27**, or **3³** cubes of **4³** into the cube of **12³** conveniently matching the **27** building blocks in the alphabet when the 5 final letters are included.

Since each word-value is included **64** or **4³** times they each form a cube of **4** units by **4** units by **4** units. So we have **7** cubes, each with **64** blocks, with the volume of each block worth each word's face value. For example, the first cube is comprised of **64** blocks of **913** each arranged in 4 layers of 4 x 4 blocks per side. In total that give us **7 x 64** or **448** blocks (cubes)

There is also the **4³** cube of **64** individual cubes of **2701** each, given that **172864/2701 = 64 = 4³**. Each unit length for each side of the individual cubes are given by the cube root of each word value or (**9.701158**, **5.87713**, **4.41400**, **7.3742**, **7.33723**, **4.108**, and **6.66444**) respectively.

We'll get to these values in due time. Just note that each side of the **4³** cube based on the 7th word "The Earth" is **4 x 6.66444** or **26.65777**, interestingly combining the Tetragrammaton (**26**)

with its pronounceable counterpart Adonai (65).

The same computations apply to the 7 tiers and 127 combinations of the 42-Letter Name, which total 64 or $8^2 \times 3701 = 236864$, reflecting the total value of the Torah's first verse's own 127-word combinations in that as we saw previously, $172864 = 73 \times 2368$. The difference between the two verses is exactly 1000 so the difference between their combination sums is 64×1000 or 64,000, a cube of $40 \times 40 \times 40$ or 1000 cubes of 4^3 arranged in a $10 \times 10 \times 10$ or 10^3 cube. We will get back to these cubes in a moment.

Tower of Truth

For each of the 64 word-values used of the 127 combinations there are $127 - 64$ or 63 empty sets or 441 in total. For example, if one of our 127 combinations uses the first 5 words of the 7, then 2 cells will be empty in that combination. The number 441 is known to the Kabbalists as the square of the Name *Ehyeh* (????) of numerical value 21, found 7 times in the Torah. In spiritually or kabbalistic philosophy nothing is ever truly empty. The space between the black letters in the Torah is considered white fire, and all space, virtual or physical is filled with some level of energy. It is not so different for our modern physicists.

Moreover, the number 441 is the numerical value of the Hebrew word *Emet*(???), meaning truth, which is another appellation for the Torah. It is also a reference to the 42-Letter Name that begins with *Alef* (?), has 40 (?) letters in between, and ends in *Tav* (?). It also forms the basis of a special tower of 20 stacked nested cubes from 1^3 to 20^3 , for a total of 210 units in height and a volume of 44,100 cubic units. This volume of the 20 stacked cubes works out to 210^2 . Right now, it is a virtual hidden tower of empty space concealed within the Torah's first verse and likewise within the 42-Letter Name of G-d, both of which are referred to as *Emet*, Truth. This tower will manifest again in a concrete way later in this paper. For now, it makes us wonder if the 210 years of exile in the spiritual emptiness of Egypt was not a metaphor with some special relationship to the number 210 and what it connects to.

The 3 root letters (???) of the Hebrew word for Egypt, *Mizra'im* (?????) mean "strait" as in a naturally formed, narrow, typically navigable waterway that connects two larger bodies of water. In other words, a restriction or choke point between worlds. Its numerical value is 330, which will be significant and apropos later in this paper. For now, what is significant about the word Egypt, *Mizra'im* (?????), the place where all three (3) Patriarchs visited and the place of the 210 years of exile is that the name Egypt (?????) literally represents a splitting of the water, *mayim* (???), and a splitting in two of the letter *Mem*(??) of numerical value 80 by the 3 letters (???), which have a numerical value 300. This splitting is reminiscent of the *Shin*(?)- *Pe*(?) relationship in the 304,805 letters, or 300,000 plus 4,805 letter *Pe*. The 3 letters (???) that equal 300 can mean giving form, and are the root of *yetzirah* (formation), as in Abraham's *Sefer Yetzirah*, the Book of Formation.

Speaking of empty space and 210, the space between the highest word value in the first verse and its next highest is $913 - 407 = 506$, which is the number of times the triplets of the 42-Letter Name are found in the Torah. Furthermore, the difference, or space, between the 2nd highest and the 5th highest values of this verse is 111, the same as the letter *Alef*(???), while the space between the 5th and 7th final word value is 210.

With the completely empty set, contrasting the completely full 7-word set, there would be 128 or 2^7 total combinations, which will be important for us shortly.

It Goes Back to Splitting of the Alef-Bet

Returning to the 127 combinations, the sum of their square roots is **1557.333**, which might be familiar to readers of our articles as it is the sum of the [10 primordial component letters](#) (????????). The **27** Hebrew letters are comprised of **10** basic component letter that are utilized exactly **50** times in total to construct the **27** letters.

????????

These **10** component letters can likewise be split in two sets, this time splitting them into halves in terms of ascending value, but with an albeit arbitrary interchange or flipping of the position of the two central letters:

דוּזִיכ־נְסֵרָךְן

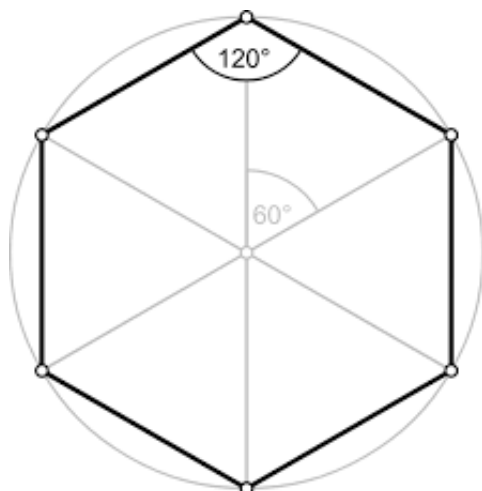
נ־כ → כ־נ

(דוּזִינ) and (כְרָךְן)

The sum of **5 of the** letters (????) is **77**, and the sum of their square roots is a close approximation to **10** times the square root of **3** or **10√3**, or **17.3285...** Meanwhile, the sum of their squares is **2701**, the numerical value of the **28** letters of the Torah's first verse. Once again, the splitting of the *alef-bet* giving way to the Creation of the Torah.

The sum of the squares of the other **5** component letters(????) is 784,000 or **28² x 1000**, yet another reference to the **28** letters of the first verse. Because **28²** is **(1000 – 216)** we get a possible reference to the **216** letters of the 72 Triplets and the perfect **1000** sum of their square roots. We can juxtapose that with **17.3285** being suggestive of **173**, the small gematria of the **42**-Letter Name.

Why Cubes?



We are professing that the origins of the Torah come from a higher intelligence and so we must assume that the Torah must also be viewed from a higher perspective or multi-dimensional

one. One way to do that from our admittedly limited point of view is to take the static numbers concretely given to us by the Torah and expand them geometrically to see what someone looking down on them might see, and what might otherwise be hidden from us. For example, a cube with 6 faces, 8 vertices and 12 edges or **26** outward facing elements when passing through our 2-d plane would appear to us as no more than a square at any moment in our linear-bound time. We would see only 1 face, 4 vertices and 4 edges, or **9** elements in total. A line, or even string of numbers, passing through, would generate a single point or number. The same goes for a string of 22 letters.

This is not as out there as you might think. We do this all the time unconsciously. When we look around us at any given moment, we see telephone poles, buildings, cars, people. In other words, any typical scene depending on where we are at the time. We cannot see behind or around the objects in our view stream; they may indeed be flat 2-dimensional cut-outs, yet our conscious minds fill in all the missing information and convert it into a 3-d world. The same happens with a painting or a photograph. Our minds will even do that with impressionist art or an abstract painting. Our minds are filling in and creating new information based on what the artist programmed into his work, unseen algorithms, equations and relationships (spatial and otherwise). The same holds true for stories and novels. The writer gives us 100,000 words but our minds take it from there and fill in many times that in backstories, scenery etc. based on our individual and common consciousness and based on downloaded algorithms from the writer's mind. A good writer can do that in fewer words. A poet can do that in very few.

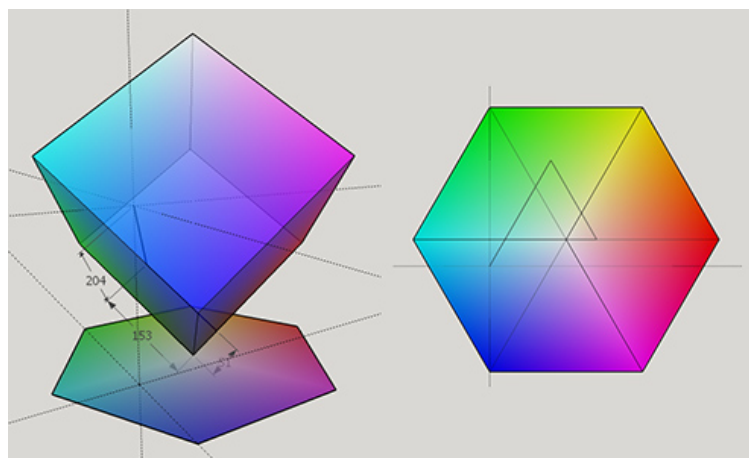
Given that and given what our minds are capable of grasping, reading and recreating unconsciously it would be indeed negligent of any advanced intelligence not to take advantage of that. They would program anything they (He) gives us with higher-dimensional encoding as well. If I can write a 7-word sentence that has meaning to you and causes you to think, great. If I can assign numerical values to the letters and words in that sentence which convey even more meaning and information to you that would be much better. If various gematria ciphers spewed out even more info you could use and calculate with, fantastic. If I could program in equations based on the relationship between those words and letters that convey even more information to you that is so much better. Then if I could project through these numbers and letters a higher dimensionality to reveal even more to you, that would truly be an efficient use of space and time. But if in transferring all this info to you, I was activating your unconsciousness to download even more powerful algorithms, and possibly even activate areas of your brain and consciousness laying dormant until you were ready, I would also be doing something truly useful.

We are a limited intelligence at the moment and yet capable of programming computers with intuitive AI capable of thinking for us and reacting millions of times faster than us. Some might say that is counter-intuitive and proves we are not that intelligent after all. Regardless, ask yourself: What would a far more advanced intelligence do, transfer info to us in an enduring document that was limited to our capabilities of 3330 years ago, or knowing our trajectory, program it for us today or even for future generations?

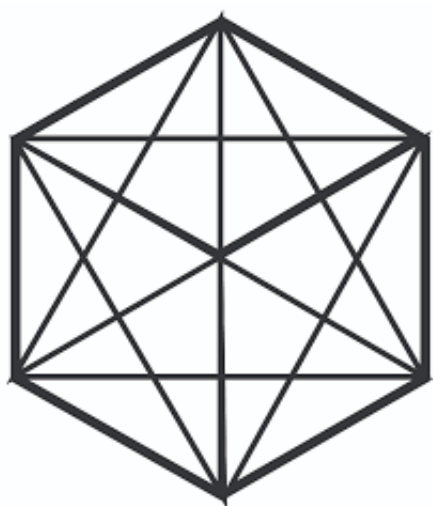
One question to ponder: How were they (He) able to know, or to ensure, that that document endured perfectly intact, all 5⁸ letters, words, and verses?

There are several ways to learn, one way used by bright inquisitive young minds and talented seasoned engineers alike is reverse engineering. When you are given a device or new technology and there are no books, lectures, YouTube videos or schematics to rely on, you carefully take it apart and draw your own schematics, then hopefully reassemble it correctly. Tiny protein machines inside the cells of our bodies do it all day long with our DNA. It would be only natural that an advanced intelligence would know that one day we would do that too with the Torah. One could say they (He) made sure of it when we were given the exponential

gematria codes to the *alef-bet* and the 42-Letter Name, an information transference device that we are only beginning to comprehend and utilize.

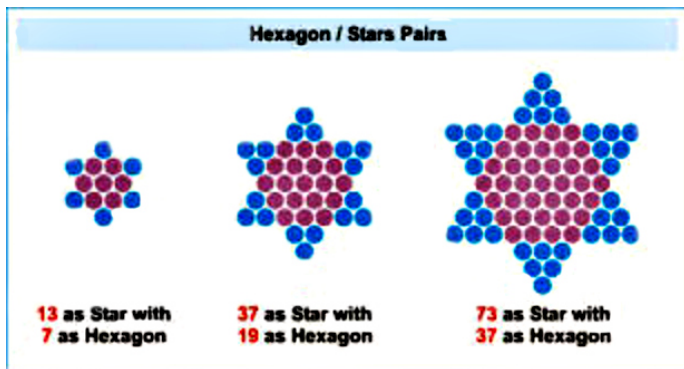


One of the ways we can get an understanding or glimpse of what might be out there before it enters our reality and passes through it, is by observing its shadow. A cube casts the shadow of a hexagon. The shadow cast by the Torah's first verse combination 4^3 cube of **64** parts of 2701 cubic units each is a **37**-unit hexagon. The total area of this resultant hexagon is **$37 \times 2701 = 99937$** , or **$(100,000 - 63)$** . The shadow cast by the **42**-Letter Name combinations 4^3 cube of **64** parts of 3701 cubic units each is also a **37**-unit hexagon. This hexagon has a total area of **$37 \times 3701 = 136937$** or **$(137,000 - 63)$** . The difference between the two resultant hexagons is naturally **37,000**.



As you can see with these diagrams, we can go easily from that hexagon to assorted other shapes including circles, triangles, diamonds trapezoids and 12-gonal stars inscribed in the hexagram and ones that circumscribe it. There is a wealth of information that can be encoded by giving us a shape or a shadow.

These correlations should not be a great surprise to us as we have already



seen that **37** units is the dimensions of the inner hexagon to the **73**-unit Star of David since we started off with **2701**, a triangular number that is the sum of the integers from 1 -**73**. No surprise, but still it was a planned geometric integration into the specific values of the first verse and how they would combine with each other.

$$\text{Hexagon}_{2701} = 37 \times 2701 = 99937 = (100,000 - 63)$$

$$\text{Hexagon}_{3701} = 37 \times 3701 = 136937 \text{ or } (137,000 - 63)$$

The area of each of these two large derivative hexagons is off from a large round number by exactly **63**, as in the **63** units of virtual space hidden in those **127** combinations, and as in the complement to **37** in that **100 - 37 = 63**. As we consider the role of **63** in these equations, we hark back to the relationship between the **670** paragraphs and *Moshiach Ben David* (**424**) whereby:

$$\frac{424}{670} \approx .63$$

$$\frac{248}{670} = .37014 \dots$$

$$\frac{670}{248} = 2.701612903 \dots$$

3701 = The Sum of the 42-Letter Name

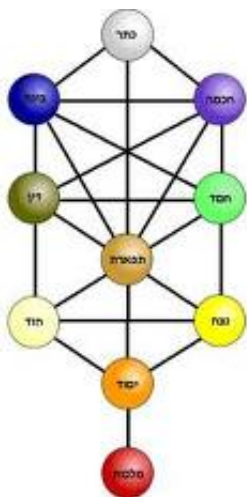
2701 = The sum of the Torah's 1st Verse

Kabbalah has always had an explanation for this numeric relationship. Of the 10 Sefirot of the Tree-of-Life three (3) of them are of higher dimensionality than the other 7. These three (3) are *Keter*(**620**), *Chochma* (**73**) and *Binah* (**67**). The **7** lower sefirot are analogous to the **7** words of the first verse. The first two of the three (3) are extremely abstract to us, *Binah* (????) is the endless sea of energy, the place where the Oneness, the primordial *Alef*(?) exists and the place where the spiritual life-force that waters and energizes our world emanates. When the 4 aspects of the Tetragrammaton (????) are spelled out, the first level is aligned with *Chochma* of

numerical value 72 and the second one with *Binah* (????????????) of numerical value **63**. So both 67 and 63 are directly associated with the concept of *Binah*. The third number or appellation associated with *Binah* is **1000**, which partially derives from the **3** *Yuds* (?):

$$(יודיה-יודיה-יודיה) \text{ as } (י) \times (י) \times (י) = 10 \times 10 \times 10 \text{ or } 10^3 = 1000.$$

$$(יודיה-יודיה-יודיה) = 1000$$



So full disclosure about the kabbalistic understanding of some of these equations, the **7** lower sefirot complement *Binah* (**63**), hence **70** is the union of the **8** sefirot (**7 + 63**) and considered a completion. And the **8** or **8th** level is *Binah* as in the **5⁸** elements in the Torah.

We can ponder about **63**, but **137**, as in **137,000**, is the gematria of “kabbalah,” meaning “to receive,” so we can wonder if the hexagon shadow based on the **7** lines of the **42**-Letter Name is purposefully revealing an advanced technological way for us “to receive.” We do know that **137** is also directly connected to the Fine Structure Constant, but more on that later. For now, we can concretely see that $236864/137 = 1728.93$ or rounding it off, **1729**, the Taxi Cab number.

Taxi Cab Number

A couple months ago, as I was driving my daughter to school, we were behind a car with **1729** on its license plate, reminding me of the Hardy–Ramanujan Taxi Cab Number, which I then explained to her. When Hardy went to visit Ramanujan in the hospital, he wanted to make small talk, so he mentioned that the taxi cab he rode in had the most boring number, **1729**.

Ramanujan replied that it was actually quite interesting, as it is the smallest number expressible as the sum of two positive cubes in two different ways ($1^3 + 12^3 = 9^3 + 10^3$). Yes, cubes again. But what Ramanujan did not know was there are exactly **1729** occurrences of the word value **26** in the Torah. That is the same **26** as in the **26** elements of a cube and as in the value (**26**) of the Tetragrammaton (????), not to mention that the digits in ($1^3 + 12^3 = 9^3 + 10^3$) are (1 + 3 + 1 + 2

+ 3 + 9 + 3 + 1 + 0 + 3) = **26**. Now that is indeed an interesting number!

Cubes on Steroids

The number **248** takes us all the way back to the beginning of this paper where we split the **22** letters of the Hebrew alphabet into two sets of **11** letters each, using the one and only “sequential” way to give us the **42, 72**, the Torah, and and phi proportions. While there was only one “sequential” way to do this, there were exactly **248** different **11** letter splits in total that summed to identical **625/870** proportions. That was exactly **248** ways out of 705,432 different ways that the **22** letters could have been split into 11 letters. And of those **248** ways, there was a subset that our one sequential split was part of, those whose 11 small gematria pairs summed to **541**, the numerical value of Israel. That subset had exactly **120** combinations. We know there were two significant men in the Torah who connected directly with G-d more than any other, one was Abraham and the other was Moses. We also know that the numerical value of Abraham is **248** and the lifespan of Moses was **120** years. We saw Moses’ birthdate, **2368**, conspicuously woven into the combinations of the Torah’s first 7 words, and when we add his **120**-year lifespan we get the year the Israelites entered the promised Land, Israel (**541**) immediately after Moses passed away, **2488** HC.

Yet another property of that original *alef-bet* split is found when we add in the *sofit* (final letter) gematria to the values already utilized. Adding the final values of *caf*(**500**), *mem*(**600**) and *pe* (**800**) the *alef*(?) - *shin*(?) side of our one sequential split goes from **625** to **2525**, in keeping with the theme of multiples and the continuous squaring of **5**. Moreover, while the difference between the two sides would now be **(2525 – 2470) = 55**, the significance of which we will soon see.

To complete this symmetrical beauty in this splitting in two(2), we find that the sum of the integers from 1 – **100** divided by 2 = **2525**, remarkable because **100** was the sum of the integers in the small gematria pairings that totaled **541** and Israel (**541**) was the **100th** Prime number. If it means anything at all, we just want to point out that **2525 – 2488 = 37**.

22 Letter *alef-bet* w/*sofit* splitting = **2525** vs 2470

$$2525 - 2470 = 55$$

$$\frac{\sum 1 - 100}{2} = \frac{5050}{2} = 2525$$

$$\sum 11 \text{ Gematria pairs}_{\text{small gematria}} = 541$$

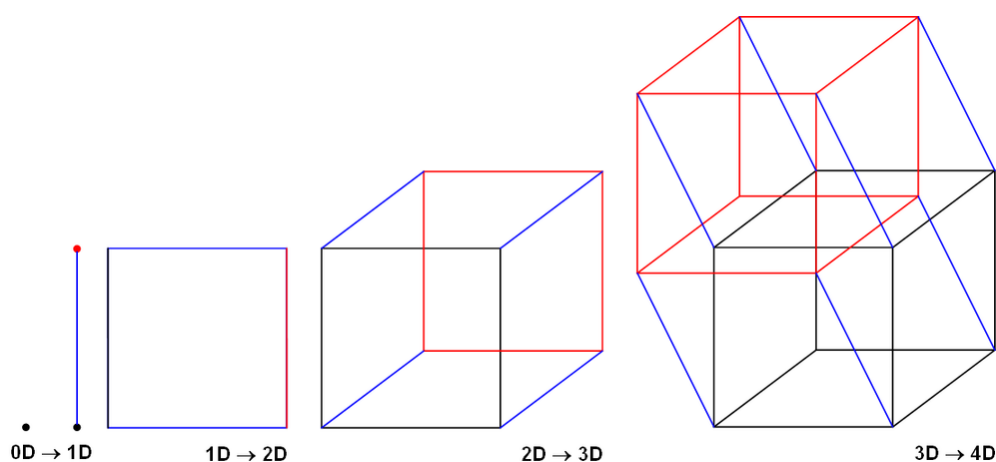
$$\sum \text{Integers in the 11 Gematria pairs}_{\text{small gematria}} = 100$$

Israel (541) = **100th** Prime Number

It is interesting how this narration of the Torah and the fixed historical reference points follow this simple proportionate splitting of the *Alef-bet*. It is almost as if the story, events, and timeline

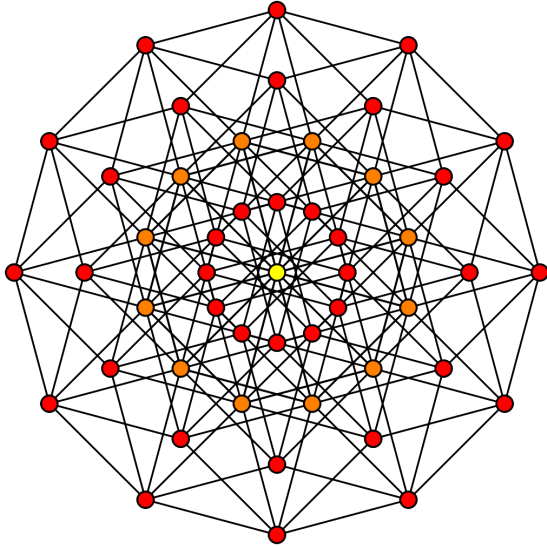
was created to fit the numbers. It all had to have been known beforehand, thousands of years beforehand, or it would not have fit so precisely.

The sages told us that the Torah was written on 70 different levels and that the highest level was revealed through gematria. As we are seeing though, gematria is just a gateway to understanding. Like a good video game, once we enter the gematria gate, there are many more hidden levels, each with hidden tools, clues, strategies to learn and find. These numbers, **248** and **120**, also come up in hypercubes and higher dimensional geometry and physics. The mathematics and physics here are beyond most of our readers so you can imagine what it must have seemed like to those of Moses and Abraham's generations. Therefore, we are going to keep it as simple as possible and just point out the synergies between our Torah numbers and the multi-dimensional expansions of geometry.

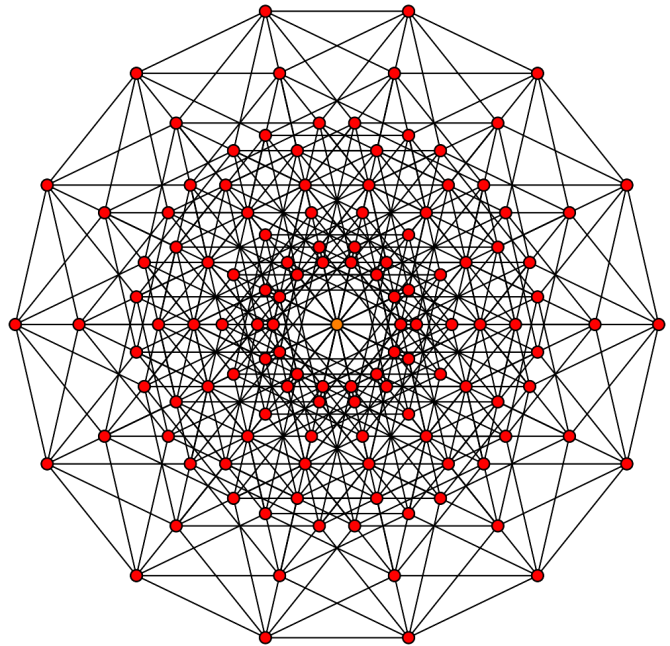


After the lonely point, we expand into 1 dimension by drawing a straight line between it and a complementary point. The points are now known as vertices or the intersection of the lines, which will become edges as we expand into higher dimensions. We get into the 2nd dimension by drawing a square from our original line. Now we have 4 edges and 4 vertices and 1 face. As we expand from there, each vertex or intersection will have a number of edges symmetrically coming off of it equal to its dimensionality. In other words, a 3-dimensional cube has 3 edges for each vertex, all symmetrically at 90-degree angles. The number of vertices will always be 2^n where n = the number of the dimension, as in the n^{th} dimension, so our 3-dimensional cube has 2^3 or 8 vertices.

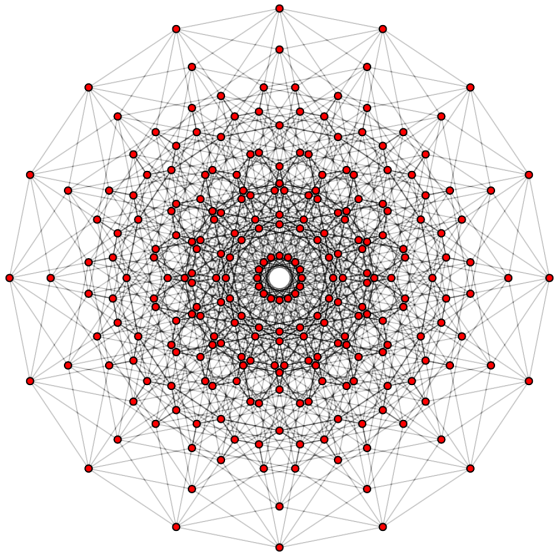
As we keep expanding from there into hyperspace our minds become inadequate for comprehending what these hypercubes look like and we need computers to process them for us. We can, though, project their vertices and edges downward, dimension by dimension, and represent them on a flat 2-dimensional surface.



So extending deeper and deeper into hyperspace we see that a 5-dimensional hypercube or polytope has **32** vertices matching the **32** pathways of the Tree of Life as noted by Abraham in his *Sefer Yetzirah*, and the **6th** and **7-dimensional** hypercubes have **64** and **128** vertices respectively, which matches up with the analysis we just

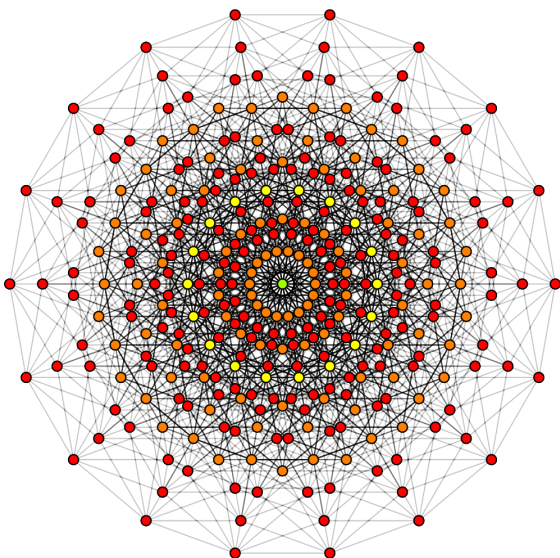


did of the **128** combinations of the **7** first words in the Torah's special first verse and then **64** times that each of the **7** words was used. Since the **6-dimensional** hypercube was the source for the **7-dimensional** hypercube we are essentially dealing with one **7-dimensional** hypercube whose **128** vertices each represent a different combination of the **7** words and **7** possible empty spaces, and which reflect the **64** times each of the **7** words was used.



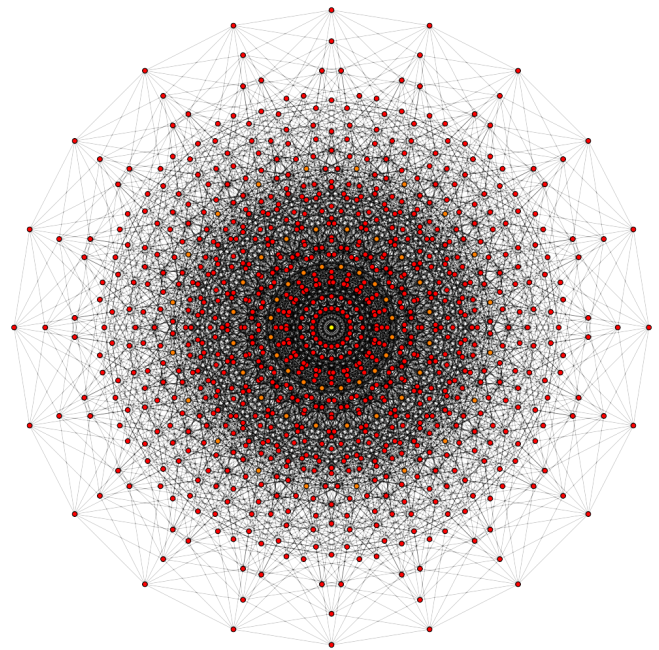
Increasing in dimensionality we find that an **8-dimensional hypercube** has **256** vertices, analogous to the numerical value of the Ark of the Covenant (**256**), where the Torah is stored, and a 10-dimensional cube has **1024** vertices, equating to the **1024**, or 2^{10} , word values in the Torah.

An **8-dimensional hypercube** is special, actually unique, in that while the number of vertices is **256** or 2^8 , the number of edges is **1024** or 2^{10} , together that is **256 + 1024 = 1280** or 10×2^7 . This equation works both for **8-dimensional hypercube** and the 2^{10} word values stored in the Ark (2^8). Moreover, $1024/256 = 2^{10}/2^8 = 4$, possibly referential to the **4** letters of the Tetragrammaton(????). This absolute ratio of **4** edges to each vertex is unique to the symmetry of the **8-cube**, as the formula for edges for n -cube is $n2^{n-1}$ which works out to edges = $n/2 \times$ vertices for an n -cube.



Nevertheless, that was not why the **8-dimensional hypercube** was so special. The number of faces of this particular hypercube equals $2^8 + 2^9 + 2^{10}$ or **256 + 512 + 1024**, which in turn equals **1792**. What this means is that the number of faces in an **8-dimensional hypercube** equals the number of vertices in the **8th, 9th and 10th** dimensional hypercubes combined. It also means the number of faces on an **8-dimensional hypercube** equals the number of vertices in the full progression of the line, square, 3-cube, 4-cube, 5-cube, 6-cube, 7-cube and 9-cube and

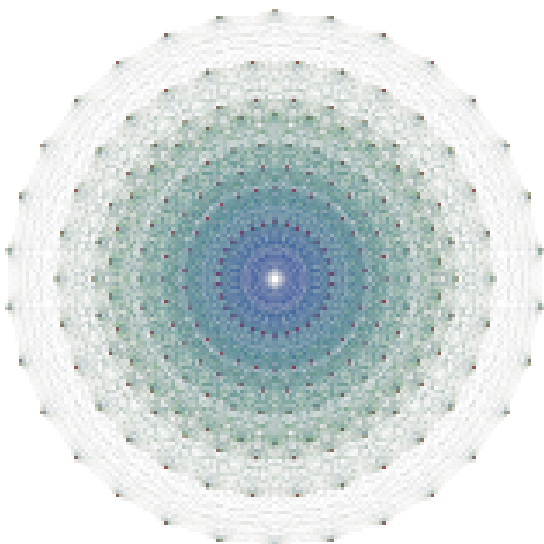
10-cubes combined. That is actually wrapping the entire expansion in One. Then if these were not just points and planes in virtual space but had some assigned meaning to each one then there would



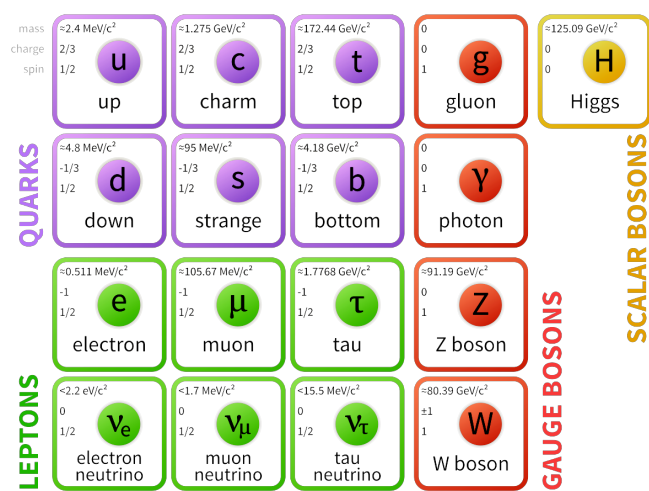
be virtually no limit what this technology could do or do for us. Is there meaning to **1792** being exactly **28** less than the **1820** Tetragrammaton(????) in the Torah and those **28** Tetragrammaton(????) add up to **728**. Could it be that the **1820** Tetragrammaton(????) directly connect with the **1792** faces of the **8-dimensional** hypercube and or the number of vertices in the $2^8 + 2^9 + 2^{10}$ hypercubes (**8-cube**, **9-cube** and **10-cube**) plus the **3-cube** **4-cube** and **2-cube**(square).

Viewing the 5^8 elements of the Torah as an **8-dimensional** hypercube, we can see how the Ark of numerical value **256**, or 2^8 , matches up with the **8-cube's** **256** vertices and how the **1024**, or 2^{10} , word values matches up with the **1024** edges of the **8-cube**. This obviously brings up many questions.

E8 Lie group, The Torah and the Universe



The Kabbalists have always known the 8th dimension, which they called *Binah*, is special and is a level where all our physics collapses and where we get freed from entropy, thus releasing us from the constraints of time. We will explain this later when we get into the physics of spherical time. Now, a giant step up in complexity is the **E8** Lie group. The E8 Lie group is a **248**-dimensional object, or **8** spatial dimensions with **248** symmetries. Lie groups are a special set of symmetries and the E8 Lie group is one of the most complex shapes in our universe that shows up in both string theories and a newer possible fundamental theory of our universe. This complicated circular webbed drawing is a very simplistic 2-D representation of a 3-d model of a 4-dimensional projection of an 8-dimensional object. It took a supercomputer years to model it. It has **248** points of intersections.



There are **4** fundamental forces in our universe: The Strong force, the weak force, electromagnetism, and gravity. There are **12** fundamental particles, **6** quarks including the top quark with a mass of **173.07 GeV/c²**, and **6** Leptons. Each of these has an anti-particle equivalent of equal mass for a total of **24** elementary particles plus the **4** bosons (Gluon, Photon, Z, and W) or force carrier particles. A total of **28**. Each of the **28** particles has **8** assigned quantum numbers for a total of 224, leaving 24 dimensions or vertices of the **248** unaccounted for. [With the Higgs boson discovered in the last few years](#) and a possible (probable) graviton, as yet to be discovered, that would leave **22** vertices unaccounted for. Hmm!

Is it possible that Abraham (**248**) was correct in that the **22** letters are essential and elementary building blocks for our universe? Is it possible that this trail of breadcrumbs we were left is guiding us in that direction?

Of Jacob's **12** sons, Leah had **6** and the other 3 mothers had **6** more, analogous to the **12** fundamental particles (**6** Fermions and **6** Leptons). The **4** Bosons may be analogous to the patriarchs, Abraham, Isaac, Jacob and Joseph. Please note that even though Joseph was one of the 12 sons, he was replaced by his two sons as princes of the 12 Tribes, which freed him to be a Patriarch. Add Moses and the final force, *Moshiach*, and the Torah aligns with the fundamental force and particles in our universe. The kabbalists have always said the Patriarchs were more than significance personages in our history; they referred to them as energy forces so none of this is surprising. At the moment, there is not much we can do with this right now, but with more understanding perhaps we can complete the equations using the numbers the Torah associates with them, such as ages and census numbers for the tribes.

In mathematics, **E** is the designation for several closely related exceptional simple Lie groups of dimension **248**, and the same notation is used for the corresponding root lattice, which has rank **8**. The **E₈** lattice is far more complex than we have portrayed it. Each point in it is surrounded by **2160 8-orthoplexes** and **17280 8-simplices**. Each **8-orthoplex** is a regular

8-polytope with 16 vertices, 112 edges, 448 triangle faces, 1120 tetrahedron cells, 1792 5-cells 4-faces, 1792 5-faces, 1024 6-faces, and 256 7-faces. You get the point; Very complex. Nevertheless, **2160** is not only referential to the **216** letters of the 72 Triplets, but also to the **2160**-mile diameter of the moon, and **17280** is likewise referential to the **172864** total value of the 127 word combinations.

One last observation about hypercubes and the Torah's first 7-word verse. We saw that the empty or null set of non-word values amongst the **128** total combinations totaled **64 x 7** or **448** units. You may have thought we were pulling connections out of thin air, but a 7-dimensional hypercube has **128** vertices, **448** edges, 672 square faces, 560 cubic cells, 280 tesseract 4-faces, 84 penteract 5-faces, and 14 hexeract 6-faces. The picture of a 7-dimension null hypercube within an 8-dimensional hypercube is taking shape before our eyes. Black fire on white fire, indeed. This exists, and while invisible it is indelible, whether there is any connection between **448** and **2448** HC, the year the Torah was received on My Sinai, or not.

111

Steering away from the differential calculus of Lie groups and back to simple mathematics and the first verse of the Torah, the 1st and 3rd words add up to $913 + 86 = 999$, or 9 times *alef*(???) ; the 2nd, 3rd and 5th words add up to $(395 + 401 + 203) = 999$ as well; then the 3rd, 5th and 6th words sum to $(86 + 395 + 407) = 888$; and finally the 3rd, 5th and 7th words add up to $(86 + 395 + 296) = 777$. Altogether these 4 different combinations that add up to multiple of *alef*(???) equate to **33 x 111** or *alef*(???) .

Of the **127** combinations, **6** of them sum up to a multiple of **111** *alef*(???) , matching the **6** *alefs*(???) of numerical value **111** that are found in this same first verse. The first multiple of **111** to be found amongst the **127** combinations is in the **10th** highest combination value (**2220**) or (**20 x 111**), represented as **20(?)**. The second one found is the sum of the first **5** words ($913 + 203 + 86 + 401 + 395$), which equal **1998** or (**18 x 111**), or **18(?)**.

Of those same **127** combinations, there are also **23** combinations that are multiples of **37**. These **23** combinations represent **18.10%** of the total **127** combinations. So once again **181** comes up, the **42nd** Prime Number, and the sum of the first **42** digits in the set of all Prime Numbers, and this time connecting back to the **181** digits in **111!** (factorial).

The 5 That Don't Jive

Just as this paragraph may seem out of place here, there is a seemingly incongruent time-line of **5** consecutive portions in the Book of Exodus: *Yitro, Mishpatim, Terumah, Tetzaveh, and Ki Thisa*, stretching from Exodus **20 - 34**; from paragraph **54** to **130**; and from the **10** Commandments to the second set of Tablets. Just to put that into perspective, that span of the **5** portions that have **22** letters in their combined **5** Hebrew portion names is exactly **22,000** letters, **5788** words, **441** verses, **77** paragraphs and **15** chapters. Right off the bat, the connection between the shift of **54** and **13** degrees and the **54th - 130th** paragraph at Mt Sinai of numerical value **130** is obvious. Moreover, that **441** is the gematria of *Emet*, truth, and that there are exactly **1000** letters on average for each of the **22**, is glaringly precise. Next, we note that these **5** portions represent **7.2%** of the entire Torah, a possible reference to the **72** Triplets. Then, while the total gematria of those **22,000** letters is **1733324**, it is debatable whether the **173** reflects the **173** small gematria value of the **42**-Letter Name in a similar way that the Top Quark having a mass of **173.07 GeV/c²** may or may not reflect it as well. Nonetheless, **1733324/26**, the value of the Tetragrammaton (????) is precisely **66666.308** and that was most

probably planned for and designed that way.

In analyzing those **22,000** letters, we see that many of them reoccur very specific and significant numerical times. It would be natural for one of them to, even two, but of the **22** letters, at least **7** of them do. For instance, the letter *Bet* (?) reoccurs **1024** or **2¹⁰** times, the same as the exact number of different word values in the entire Torah, and the **1024** edges of the **8**-dimensional cube. Both the letters *Gimmel* (?) and the letter *Tet* (?) each reoccur **137** times, as in the numerical value of *kabbalah*, meaning "to receive" and the Fine Structure Constant (**1/137**). Speaking of the Fine Structure Constant (**1/137**), when we sum up the cube roots of all **127** combinations, they total **1370.872**. The letters *Gimmel* (?) and the letter *Tet* (?) are the only two letters of the Torah never found next to each other and they spell *get* (??), "a bill of divorce," a separation. The letter *Chet* (?) reoccurs **616** times amongst these **22,000**, and that is the numerical value of *H'Torah*, and is also the exact number of times Moses' exact name (???) is mentioned in the Torah. It is also the value of *Yitro*(????), the first of the **5** portions. Then while the letter *Pe*(?) reoccurs **358** times amongst those **22,000** letters, as in the value of *Mashiach*(**358**), the letter *Ayin* (?) reoccurs **954** times, as in digit **#954** in Pi where we find the final of the three triplicate **5778** previously discussed.

Partitioning and more partitioning into meaningful subsets. Each value may have its own vertex and/or its own edge in either an **8**-dimensional or **10**-dimensional cube, and each one an intersection with so many more connections with other vertices and sub-regions, shapes, dimensions. It could take a supercomputer to model and reverse engineer it, begging the repeated question as to why were we given this magnificent instrument? And will we ever know how to utilize it properly? The answer may be up to us.

If, instead of having G-d's Names all over the technology, it had alien markings, there is no doubt scientists would be pouring all over it, parsing it, studying its partitioning and symmetries, ordering its vertices, searching deeper and deeper for clues, answers, and a way to escape our reality. Do you not think the Creator of this unfathomably deep technological document and device did not know that?

Perhaps, in order to fully access this technology, we have to believe. Not in it, but in G-d, the Creator and in Oneness, just as it says in the Torah.

This abstract concept is not so far-fetched, welding an unseen force like belief and consciousness to hardwired physics. Does a computer work without software? And even more abstractly, how can we explain the uncertainty principle and quantum entanglement? The truth is right now we cannot. They are observations we have made, and we have yet to find the knowledge to make sense of them.

There is super-determinism that tells us that whatever we actually observe was pre-determined all along, was pre-destined to happen. That does explain it, but it negates ALL free will and places each of us in a set movie in which we can only observe not alter. That would negate any *raison d'être* for our existence and make us an insignificant miniscule hiccup in a multi-verse universe that has vast other options, just not for us.

I am not saying that we have a special place in the vast universe, only that we were chosen to receive the Torah for a reason, not as a plot device in a movie. We are not characters in a Pirandello play spontaneously awakening from our movie, searching for our author. Or are we? Either way, we found consciousness **5778** years ago and are just now learning what we can do with it.

The problem with quantum entanglement is that all our physics so far is predicated on Einstein's theories that nothing can travel faster than the speed of light, not even if we were to find sub-photons or messenger photons. The reason this is an issue is that we have observed that if a change is made to a particle on one side of the universe an automatic corresponding

change will occur in its paired particle on the other side of the universe and that cannot happen without significantly faster than light travel. Unless, of course, there were forces at work we have yet to understand, or another dimension with different physics that connects everything using a different type of force entirely.

When something is unknown, invisible to our physical observations, and yet has some visible effect on our world (universe) we tend to call it spiritual. At which point most people either ignore it or filter it through their personal and collective conscious belief systems. The truth is we do not have a good grasp on consciousness either. No one actually knows what consciousness really is. Sure, we know our minds work through interlocking neural networks with feedback systems and loops, but beyond that, like the spiritual world, consciousness is an invisible force that is just there.

Given that, would it be so unfathomable that the forces of consciousness and the forces of the spiritual world might interact. And might there be tools that could facilitate and help us to consciously harness that interaction? Might the kabbalists be correct when they told us the 22 letters were conduits of that interaction, that the specific Names were just such tools enabling us to harness it, and that the Torah is both our instruction manual and motherboard to complete engagement?

G-d's Covenant

Back to the technology itself. One additional point about the letter *Pe(?)* of numerical value **80** in the Torah. We have spoken about the obvious split in the **304,805** letters between the **4805** *Pes(?)* and the other 21 letters. What we neglected to mention about the programming was that the collective value of those **4805** *Pes(?)* was 384,400, whose square root is exactly **620**, *Keter* (???). This is perhaps an indication why there are **80,000 - 5²** words in the Torah. And perhaps this is reflected in the triplet **805** of the **304,805** letters, which is also the value of "The rainbow (????)" in Hebrew, the sign of the Covenant G-d made with the Earth, the sign of the covenant between G-d and all flesh on Earth, according to the Torah in *Bereshit* verse **9:13**. This occurred right after the flood (???) of numerical value **72**, which begins with the letters (??) or **42**. Strengthening these possible connections is the ordinal value of the rainbow (????), **67**, the same as the value of *Binah* (????), the dimension where those spiritual forces discussed above exist, the place, according to the kabbalists where the forces of our consciousness interact outside of physicality. G-d also refers to the rainbow as "my rainbow (????)" whose ordinal value is **72**.

A covenant with G-d is a *Brit* (????), associated with a splitting or severing, like G-d's Covenant of Halves with Abraham and a *Brit mila*, the separation from negativity for an **8**-day old male baby. Certainly, this splitting or severing of *Keter* in the **304,805** letters is readily apparent. What is interesting is that the square root (the splitting into two equal components) of **390,625** gave us **625**, *H'Keter*, and the square root of the total value of those severed **4805** *Pes(?)* gave us **620**, *Keter* with a difference of **5** between them, as in **5⁸**.

G-d said to Noach(??), of numerical value **58**, about the rainbow that it was "a sign of the covenant (??????- ???)." The word "sign" is the same word for 'letters' and the numerical value of this phrase is **1024** or **2¹⁰**, as in the precise **2¹⁰** word values in the Torah. A Covenant indeed!



In that 4th line of the **42**-Letters that we just drew the connection to the value **704**, we find the word *Brit* spelled out in order (????).

Today is Lag B'Omer, the 5th day of the 5th, *Hod* of *Hod*. I hope everyone takes full advantage of the energy of R'Shimon Bar Yochai and of the power of this wonderful day.

Ezra

The final section of Part VI will follow shortly and we will get right into Bell Primes.