

Math in the Bible

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Abstract

Religion is defined as a cause, principle, or system of beliefs held to with passion and faith. One may ask, “why believe?” For some it is difficult to do such because of the lack of evidence of the divinity. Some mathematicians use mathematics to find codes in religious works, which prove the divinity of the text, thus proving that their religion is real. In this paper I was discuss the numbers math and codes of religious cannons such as the Bible and the Koran. Believing that the mathematics that is embedded in the works could not have been included by humans provides evidence for religious faith.

1 Introduction

The Bible offers guidance in matters of morality, and it describes effective solutions to combat the problems of hunger, crime and loneliness, the sacred book Christians follow in the Christian religion. But there is more to the Bible than just religion, the Old Testament was used as a guide for a young mans life. There are also many mathematical references in the Bible. There are also many references to significant numbers throughout the entire text. The numbers discussed in the text are three (the number of divine perfection), four (the number of creation), six (the number of man), seven (the number of spiritual perfection), ten (the number of divine perfection), twelve (the number of governmental perfection), 40 (the number of trial and probation), 153 fish and the number 19 all throughout the Koran. The numbers used to get some of the special numbers comes from gematria. Gematria is the use and/or study of hidden meanings through numbers. The word comes from the Greek root as geometry. Gematria was used by the Babylonians,

Figure 1: Hebrew Alphabet

Name	Figure	Value	Transliteration
(M) Aleph	א	1	A
(D) Beth	ב	2	B
(D) Gimel	ג	3	G
(D) Daleth	ד	4	D
(S) Heh	ה	5	H
(S) Vau	ו	6	V
(S) Zayin	ז	7	Z
(S) Cheth	ח	8	Ch
(S) Teth	ט	9	T
(S) Yod	י	10	I
(D) Kaph	כ	20	K
(S) Lamed	ל	30	L
(M) Mem	מ	40	M
(S) Nun	נ	50	N
(S) Samekh	ס	60	S
(S) Ayin	ע	70	O
(D) Peh	פ	80	P
(S) Tzaddi	צ	90	Tz
(S) Qoph	ק	100	Q
(D) Resh	ר	200	R
(M) Shin	ש	300	Sh
(D) Tau	ת	400	Th

Greeks and the Assyrians. Each letter of the Hebrew alphabet has a specific number value, as in Figure 1, and the addition of the digits gives you number. For example, the value of the word shalom (Shin, Lamed, Vav, Mem) is $300+30+6+600 = 936$. Sargon the second built the wall of Khorsabad 16,283 cubits long because it was the numerical equivalent to his name.

2 Biblical numbers

There are many numbers in the Bible that carry significance and reoccur many times throughout the text. And each time the number is used it in reference to a certain topic, for example. Forty is the number of probation or trial. So many of the instances in the Bible have this special number attached to it in some way or another when they have to do with trials or probation. For instance the Israelites wandered for forty years or when Moses was on

the mountain for forty days.

Three is the first odd prime number and the first Fermat prime. Three is also the only integer between e and π . All things have a beginning middle and end. The number three has an extra significance in the New Testament, where three is one the Father, Son, and Spirit. There are many different things in life that occur in three. Except for God you need these three things to exist; Time, Space and Matter. And in the three, they each have three more dimensions in each of them. In time we have three dimensions: past, present, future. In space we have height, weight, and depth. Once again, in matter we have Solid, Liquid and Gas. There are many occurrences of three like; three gifts of the Magi (three wise men) [Matthew 2:1], three denials of Christ by Peter [Luke 22: 54-62], three days between the crucifixion and resurrection [Luke 23: 44-55], three appearances of the risen Christ to his disciples. The Pythagoreans believed this number to be the number of males or harmony.

The number four is the number of creation. The fourth commandment is the first to mention anything about the earth. There are also four seasons Spring Winter Autumn and summer. And there are four cardinal directions East, West, North, and South. The Pythagoreans thought this to be the number of justice and retribution. In other sources I find that they linked four to creation or earth. The Pythagoreans linked one with point, which in theory has no dimensions; two is linked with the line, two points are connected; three points is linked with the triangle which creates a plane. To construct the simplest solid figure a fourth point must be added to the triangular plane, thus making a pyramid. This suggests that the basis of the construction of all solid objects in found to be the number four.

Six is the number of man. Man labors for six days, and man was also created in the sixth day. The Serpent was created on the sixth day. The Sixth commandment is "Thou shalt not murder."

Also, $6 \times 6 = 36$. $36 + 35 + 34 + 33 + 32 \dots 5 + 4 + 3 + 2 + 1 = 666$

666 is the number of the "beast" or the antichrist. This means that the name of the antichrist in Gematria is 666. This is a mockery of the triple of the number of divine perfection (the Trinity).

There are many instances of significance with the number seven, and many that have to do with Jesus Christ. Firstly there are seven days in a week. Seven colors in the spectrum. Seven of the Ten Commandments begin

with the word “not.” There are seven seals seven trumpets, seven parables in Matthew, and seven promises to the churches. Jesus said seven things on the cross:

1. Luke 23:34 Jesus said, “Father, forgive them, for they do not know what they are doing.” And they divided up his clothes by casting lots
2. Luke 23:43 the man being crucified next to Jesus asked Jesus to remember him when he came into his Kingdom. Jesus answered him, “I tell you the truth, today you will be with me in paradise”
3. Matthew 27:46 About the ninth hour Jesus cried out in a loud voice, “Eloi, Eloi, lama sabachthani?” – (translation) “My God, my God, why have you forsaken me?”
4. John 19:26 When Jesus saw his mother there, and the disciple whom he loved standing nearby, he said to his mother, “Dear woman, here is your son”
5. John 19:28 Later, knowing that all was now completed, and so that the Scripture would be fulfilled, Jesus said, “I am thirsty.”
6. John 19:30 When he had received the drink, Jesus said, “It is finished.” With that, he bowed his head and gave up his spirit”
7. Luke 23:46 Jesus called out with a loud voice, “Father, into your hands I commit my spirit.” When he had said this, he breathed his last.”

“Hallelujah” occurs 28 times or 4×7 . “Hosanna” occurs 7 times. “Milk” occurs 49 times or 7×7 . ”

The Text of Genesis 1:1 is:

In the beginning God Created ???* the heavens and the earth

If this is converted into Hebrew and changed into numbers by gematria we have:

- In the beginning = 913
- God =86
- Created = 203 **also a multiple of seven

- ??? = 401 (scholars are unable to translate this word into English)
- The heavens = 395
- And = 407
- The earth = 296

The sum of the values “God,” “heavens,” and “earth” is

$$86 + 395 + 296 = 777$$

A multiple of seven.

Ten is the number of Divine Perfection. There are Ten Commandments; 1/10 of your income is a tithe; there were ten plagues on Egypt [Ex. 9:14];

There are ten “I AM’s” spoken by Jesus in the book of John:

1. I am the Bread of Life [6:3])
2. I am the Bread of Life which came down from heaven [6:41]
3. I am the Living Bread [6:51]
4. I am the Light of the world [8:12]
5. I am One that bears witness of Myself [8:18]
6. I am the Door of the sheep [10:7,9]
7. I am the Good Shepherd [10:14]
8. I am the Resurrection and the Life [14:6]
9. I am the Way, the Truth, and the Life [11:25];
10. I am the True Vine [15:1,5].

The number twelve is the number of Governmental perfection. It is known as that because of the following. There were twelve tribes of Israel; twelve Apostles, The measurements of New Jerusalem are 12,000 furlongs or stadia, while the wall will be 144 (12 × 12) cubits [Rev. 21:16-17]. There are twelve prophets of the Old Testament, and when Jesus is twelve, He questions the scholars in the Temple [Matt. 1-3].

The next significant number is 40. 40 is known in the Bible as the number of trial and Probation. The Israelites wandered for 40 years (Deut. 8:2-5). Moses was on the mountain for 40 days (Exodus 24:18). David was King for 40 years. [2 Samuel 5:5; 1 Chronicles 29:26-27] Solomon was king for 40 years. [2 Chronicles 9:30] Jesus was tempted for 40 days (Matt. 4:2). The great flood lasted for 40 days [Genesis 7:4, 12, 17, 8:6]. For 40 days the children of Israel were tested while Moses was on the mountain For 40 days Jesus fasted in the wilderness before his trial of temptation by Satan [Matthew 4:2; Mark 1:13; Luke 4:2] Jesus taught His disciples after the Resurrection for 40 days. On the fortieth day He ascended to the Father. [Acts 1:3] Isaac was 40 when he married Rebekah [Genesis 25:20] 40 years from the Resurrection to the destruction of the Temple in Jerusalem in 70AD. For 40 years Israel ate manna [Exodus 16:35; Deuteronomy 29:5] Joshua was 40 when Moses sent him to reconnoiter on Canaan [Joshua 14:7]. 40 years of war between Israel and the Philistines.

The last number is 153. It does not have a great significance but shows up a couple times throughout the canons and uses gematria. The word fish in Greek is ixthus which has a numerical equivalent of 1224 and that is 8×153 . In John 21:11 after Jesus resurrected the disciples caught 153 fish. Jesus Christ is numerically in gematria 888. 888 is a multiple of eight and 8×153 is 1224.

3 The Koran

The numeral play and significance is not just confined to Christianity and the Bible, there is also one in the Muslim holy text of the Koran. The number here is the number 19. There are 114 suras or chapters in the Koran, which is 6×19 . The number of verses is 19×334 or 6346 and the digits of 6346 add up to 19. There are also 329,156 letters of all the words and verses in the entire Koran, and that is 19×17324 . The verse “In the name of Allah, most gracious, most merciful” heads every chapter except the 9th but appears an extra time in the middle of the $3 \times 9th$ or 27th chapter. The header verse contains 19 Arabic letters. The first word, Bism, occurs in the Koran 19 times. And the second word, Allah, appears 2,698 times and that is 142×19 . Al-Rahman, the third word, is repeated 3×19 or 57 times. The word Al-Rahmeen, which is the fourth word, occurs 114 times or 6×19 . The sum of the verse numbers that mention Allah is 1217×19 which is 118,123.

There are 30 different numbers that are mentioned in the Koran, the sum of the different numbers in the Koran is 162146 or 8534×19 . There are many "secret mathematical sums and products of 19 in the Koran. But why? Some Muslims believe the number is spiritual, (truthfully I do not know if they held the number to that regard before or after the number was found in such abundance throughout the Koran), and believe that it proves the religion is real. If you take a deeper look at 19 you see some other interesting things about it. 19 is a prime number. The numbers most often encountered in the Bible are 7 and 12 (The numbers of Spiritual and Governmental Perfection). We see these two numbers in our current Gregorian calendar, where we have twelve months and seven days in a week. The sum of the two numbers is obviously 19. Every 19 years all phases of the moon fall on the same days of the week throughout the year. It is proved that every integer is the sum and no more than nineteen fourth powers.

Therefore

$$a^4 + b^4 + c^4 + d^4 + e^4 + f^4 + g^4 + h^4 + i^4 + j^4 + k^4 + l^4 + m^4 + n^4 + o^4 + p^4 + q^4 + r^4 =$$

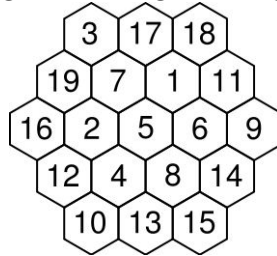
(any integer past 78)

The smallest number requiring nineteen such powers is 79, the sum of four fourth powers of two and 15 fourth powers of one.

$$2^4 + 2^4 + 2^4 + 2^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 + 1^4 = 79$$

The repeating decimal of $1/19$ is the 2×9 is 18 digit number which is 0526315789473668421. Now multiply that number by any number from 2 to 18 and the product has the same eighteen digits in the same cyclic order. For example if I multiply $0526315789473668421 \times 5 = 2631578947366842105$ And what do you think happens when you multiply that number times 19? You will get a row of 2×9 , 18 nines or 9999999999999999. Even though that is pretty obvious since the number was already the digits of the reciprocal of 19. Lastly, 19 is useful in making the only magic hexagon, where the rows add up to 38 or 19×2 . In order for this to work you would need 19 hexagons, as in Figure 2.

Figure 2: Magic Hexagon



4 Conclusion

Many mathematics scholars and believers try to use the many numbers in the Bible or the Koran as proof that no man could have wrote these works, therefore it was dictated from God himself. A good argument for the Bible with its many authors, how could a goggle of men from different generations be able to put all of the codes of numbers into Bible verses from Genesis to Revelations. The Koran was written by Mohammed (who is supposedly was illiterate), and I would imagine it would be tough to write a book when you cant read, let alone encode the number 19 into it. Some people dedicate their lives to numbers. Some people see them as just fun. Does the evidence shown justify the legitimacy of the religions? Are encoded numbers a simple mathematics enough to say there is a God or the books were written by Him/Her? This alone could not make me believe there was a God or that the works were written by Him/Her.

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