



**SACRED GEOMETRY**  
**Unlock Your Potential with the**  
**Keys of the Arcturians**

**JANOSH**

**33 Cards**  
**89-page study guide**  
**56-minute music CD**  
**100-page tracing pad**  
**80-page journal**

**ISBN 13-978-59179-564-3**  
**U.S. \$29.95**

*Geometry will draw the soul  
toward truth, and create  
the spirit of philosophy.*

—PLATO (c. 427–347 BCE)

## Sacred Geometry

### Why “Sacred” Geometry?

The term “sacred geometry” is often used to refer to architectural forms and is also applied to those proportions, shapes, and patterns that reoccur regularly in nature. Ancient people of many cultures observed these endless repetitions of the same numerical relationships and assigned a divine significance to geometry. The ancient Egyptians, Indians, Maya, Celts, and other cultures constructed their buildings and monuments in accordance with the sacred geometric proportions they had observed. The ancient Greeks—Euclid, Plato, and Pythagoras among them— came to the conclusion, since confirmed by scientific study, that geometry is inherent to the design of the universe. Geometric secrets have been passed down through the ages by various mystery schools, and now appear in the enigmatic form of crop circles.

Behind geometry lurks the mystery of creation. There is no denying that our entire world is shaped according to set geometric values. These mathematical patterns arrange the cells in our body and define the distances between the stars and the planets. They can be recognized in everything—from atoms, stars, and flowers to human creations and structures. Our very bodies are excellent examples of this universal geometry. Simple examples of sacred geometric shapes are, among other things, the circle, triangle, square, pentagon, and pentagram. Three-dimensional examples include the sphere and the five platonic solids: the tetrahedron, hexahedron (cube), octahedron, dodecahedron, and icosahedron. Numerical values of significance are  $\pi$  and the Golden Ratio or Mean, also known as  $\phi$  (pronounced “fee”). What follows is a brief discussion of some of these wonders.

The five Platonic solids, so named because of Plato’s extensive exploration of their significance, are the only solid shapes whose faces are all identical, even-sided polygons. Plato related four of them to the elements of fire, earth, air, and water, with the 12-sided dodecahedron designating the zodiac, or the universe. Perhaps it is to be expected that a scientific theory has recently surfaced positing that the universe is, in fact, in the shape of a dodecahedron! Plato also theorized that the Five Platonic Solids’ atoms had these five shapes:

Tetrahedron (4 triangular sides), Fire

Hexahedron (6 square sides), Earth

Octahedron (8 triangular sides), Air

Dodecahedron (12 pentagonal sides), Universe

Icosahedron (20 triangular sides), Water



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*Geometry has two great treasures: one is the Theorem of Pythagoras; the other, the division of a line into extreme and mean ratio. The first we may compare to a measure of gold; the second we may name a precious jewel.*

—JOHANNES KEPLER  
(1571–1630)

He was not very far from the truth. Atoms are arranged in the shape of cubes, octahedra, and dodecahedra in crystalline substances. Water molecules can arrange themselves in icosahedral clusters. But human understanding of these shapes predates Plato. Megalithic stone sculptures of the five Platonic solids, preceding Plato by at least a thousand years, have been unearthed in Scotland. You will notice the five Platonic solids in many of the Sacred Geometry holograms.

### The Golden Ratio

The Golden Ratio or Mean, also called phi, is a mathematical proportion that appears everywhere in nature. Classically known as the “extreme and mean ratio,” it is derived by dividing a line into two unequal segments, where the proportion of the whole line to the larger segment is the same as the proportion of the larger segment to the smaller segment. This ratio is expressed as a decimal, approximately 1.61803. (Like the more familiar pi, this irrational number cannot be expressed as a true fraction, and its decimal places seem to extend into eternity. The decimal places for phi have been calculated to 1.5 billion places, with no discernable pattern to the digits.) Note that where the value of the whole line is 1, the larger segment is approximately 0.61803. These two numbers are sometimes called the “Golden Section numbers” and have all manner of fascinating mathematical interrelationships that go beyond the scope of this discussion. A basic geometric example of the omnipresence of phi is the simple five-pointed star, made by connecting the points of a pentagon, which consists of five lines, each intersected line divided into the Golden Ratio.

Since ancient times this ratio, 1:0.618..., has been regarded as the ultimate proportion of perfection, harmony, and even divinity. We find the Golden Ratio in the Egyptian pyramids, Leonardo da Vinci’s *The Last Supper*, Notre Dame Cathedral in Paris, the Parthenon in Athens, and even the structure of musical pieces by Mozart and Beethoven. In nature, the Golden Ratio occurs with great regularity. The chambered nautilus shell is the most famous example. Its spiral is constructed according to the Golden Ratio, as are many other spirals that appear in nature. Our body, face, heartbeat, and even our handwriting express this proportion. It is observable all the way down to the cellular level. Even the fluctuations of the stock exchange have been shown to express the Golden Ratio. It should come as no surprise that phi frequently appears in crop circles, and thus in the holographic images in *Sacred Geometry*.

### Fibonacci Numbers

The Golden Ratio is inextricably linked to a numerical series known as the Fibonacci numbers. Named after the thirteenth-century mathematician credited with introducing the Arabic numbering system to Europe, this series of numbers is formed by adding the previous two numbers to produce the next. This results in the following eternal string: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, ... ad infinitum. Amazingly, if we divide each number in the series by the number before it, we discover that the result gets closer and closer to the Golden Ratio the further we progress into the series. Thus, the Fibonacci series expresses the Golden Ratio. While by no means a constant of nature, Fibonacci numbers appear regularly in the forms of sunflower seed heads, pine cones and



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other plants, as well as in the aforementioned nautilus shell. They can be observed in the growth patterns of leaves, in the family tree of honeybees, and even in the syllabic patterns of ancient Sanskrit poetry. Interestingly, Fibonacci is not thought to have discovered the series himself, but to have learned it from the same Indian scholars who taught him about Arabic numerals. Keep an eye out for Fibonacci numbers in the holograms and silver codes in this kit.

**The Human Connection**

Our 2 hands (with 3 bones to each of their 5 digits) express phi in the ratios between the lengths of each of the bones in a single finger. The belly button also divides the height of the human body into the Golden Ratio. Even more startling, a single DNA molecule measures 21 x 34 angstroms. 21 and 34 are neighbors in the Fibonacci series, thus the ratio between them is 1.61904..., very close to phi. In the Vitruvian Man, Leonardo da Vinci famously illustrated the pentagonal shape of the human body when arms and legs are outstretched. Whether it is because the Golden Ratio and the Fibonacci series are so omnipresent in our experience, or because our physical forms are built according to these mathematical patterns, we have a visceral reaction when we encounter images that express sacred geometric forms. Our brain innately recognizes these forms at the subconscious level. We also tend to feel certain emotions when concentrating on particular shapes. For this reason, sacred geometry can be considered a kind of universal language, perhaps the most universal the world has known. It contains symbolism much more powerful than any written language.

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