

How to Help Your Kid Construct the Universe

Christine Brame

2014 LDSHE Conference

Virginia Beach, VA

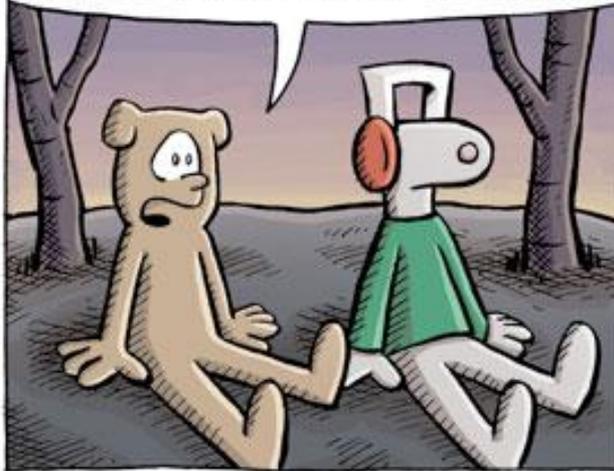


T.O.E.

DO YOU THINK PHYSICISTS WILL ONE DAY DEVELOP A "THEORY OF EVERYTHING"--A SINGLE THEORY THAT EXPLAINS ALL PARTICLES AND FORCES, AND UNDERLIES ALL KNOWN PHYSICAL PHENOMENA?



BECAUSE IF THEY DO, I THINK IT WILL BE ONE OF OUR SOCIETY'S GREATEST SUCCESSES.



THEN THE FACT THAT FEW PEOPLE WILL BE ABLE TO APPRECIATE IT WILL BE ONE OF OUR GREATEST FAILURES.





It is necessary, therefore, that we ponder the symbols presented in the temple and see the mighty realities for which each symbol stands. ¹⁸

“The temple ordinances are so imbued with symbolic meaning as to provide a lifetime of productive contemplation and learning.” ¹⁹ The teachings of the temple are beautifully simple and simply beautiful. They are understood by those who have had little opportunity for education, yet they can excite the intellect of the highly educated.

~ Elder Russell M. Nelson, Prepare for the Blessings of the Temple, October General Conference 2010

Everything in the temple points us to Christ when we are prepared to learn through symbolism.



What is Symbolism?

- The sign or representation of any moral thing by the images or properties of natural things. Thus the lion is the symbol of courage, etc. ; Symbols are of various kinds, as types, enigmas, parables, fables, allegories, emblems, hieroglyphics, etc.
- An emblem or representation of something else.
- *1828 Webster Dictionary*

Symbols



Symbols



Symbols



"Highly informative...[shows] Schneider's particular gift of transforming everyday experience into something magical.... Highly recommended."—*New Frontier*

A Beginner's Guide to Constructing the Universe

THE MATHEMATICAL
ARCHETYPES OF NATURE,
ART, AND SCIENCE

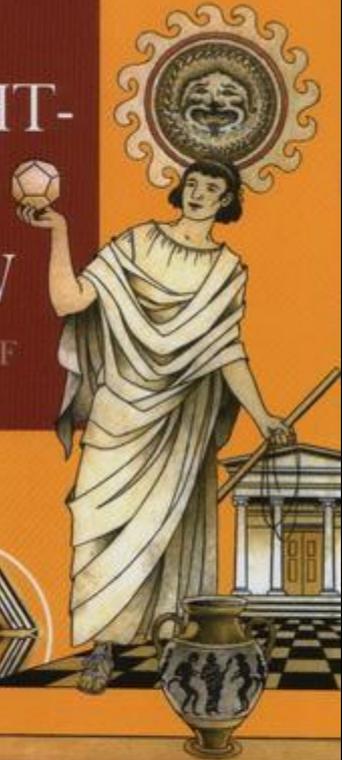
A VOYAGE FROM 1 TO 10

MICHAEL S. SCHNEIDER



STRING, STRAIGHT- EDGE, & SHADOW

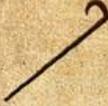
THE STORY OF
GEOMETRY

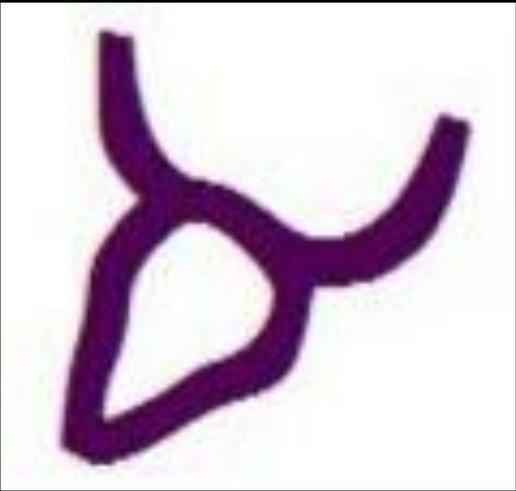


JULIA E. DIGGINS

ILLUSTRATED BY CORYDON BELL

Hebrew Alphabet

	NAME	SYMBOL		NAME	SYMBOL
	ALEPH	א		LAMED	ל
	BET/VET	ב		MEM	מ
	GIMEL	ג		NUN	נ
	DALET	ד		SAMECH	ס
	HE	ה		AYIN	ע
	VAV	ו		PE/FE	פ
	ZAYIN	ז		TZADI	צ
	CHET	ח		KOF	כ
	TET	ט		RESH	ר
	YUD	י		SIN/SHIN	ש
	CHAF	כּ		TAU	ת



“The scriptures are laid before thee, yea, and all things denote there is a God; yea, even the earth, and all things that are upon the face of it, yea, and its motion, yea, and also all the planets which move in their regular form do witness that there is a Supreme Creator.”

~Alma 30:44



The young person must:

- fall in love with numbers
- fall in love with shapes and comparisons
- Fall in love with mathematicians
- Fall in love with the ideas of math
- Move on to traditional book learning
- Learn spreadsheets and practice business planning

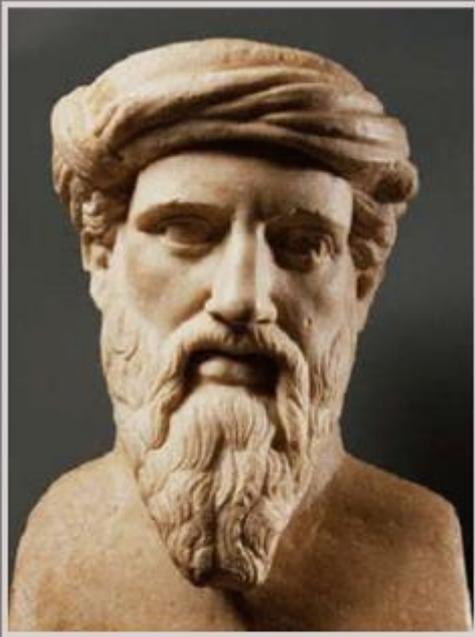
Oliver DeMille, "The Best Math Curriculum"



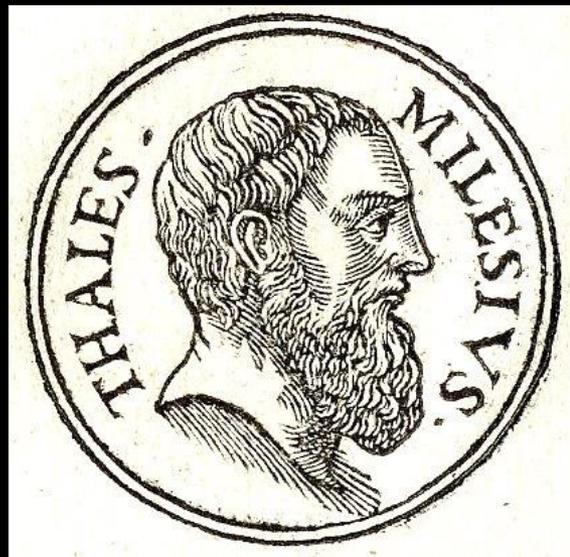
What is a Geometer?

- One who studies Geometry
- One who recognizes patterns in the world around him
- One who sees symbolism
- One who can see the whole picture
- Problem solver & teacher

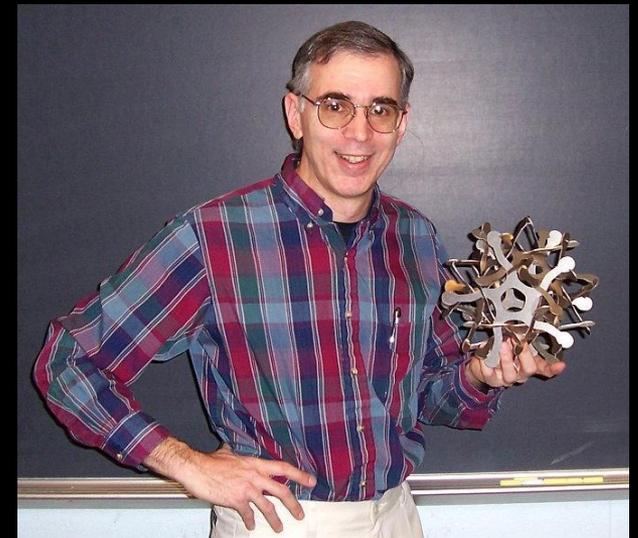
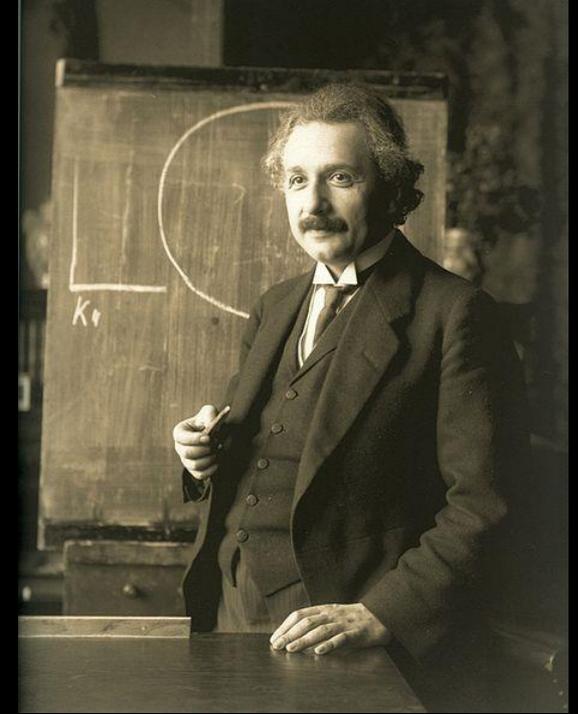
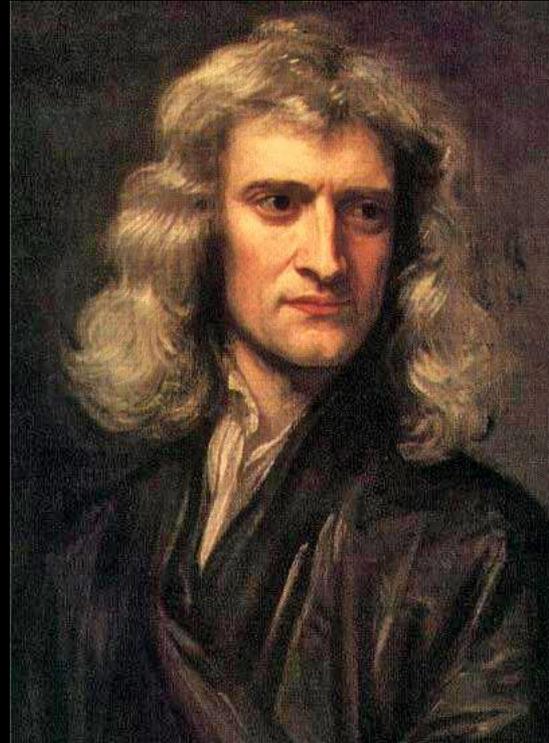
Ancient Geometers



PYTHAGORAS



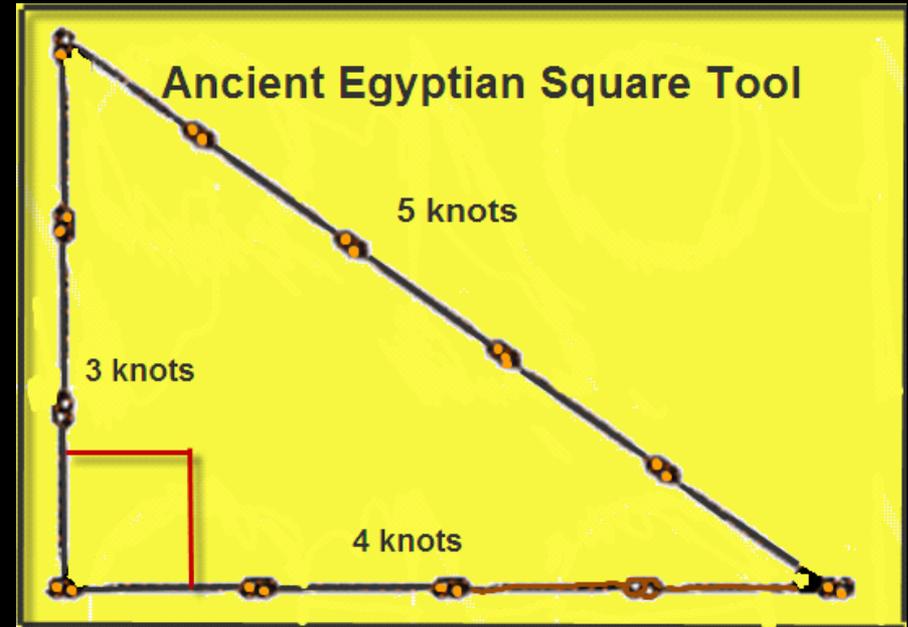
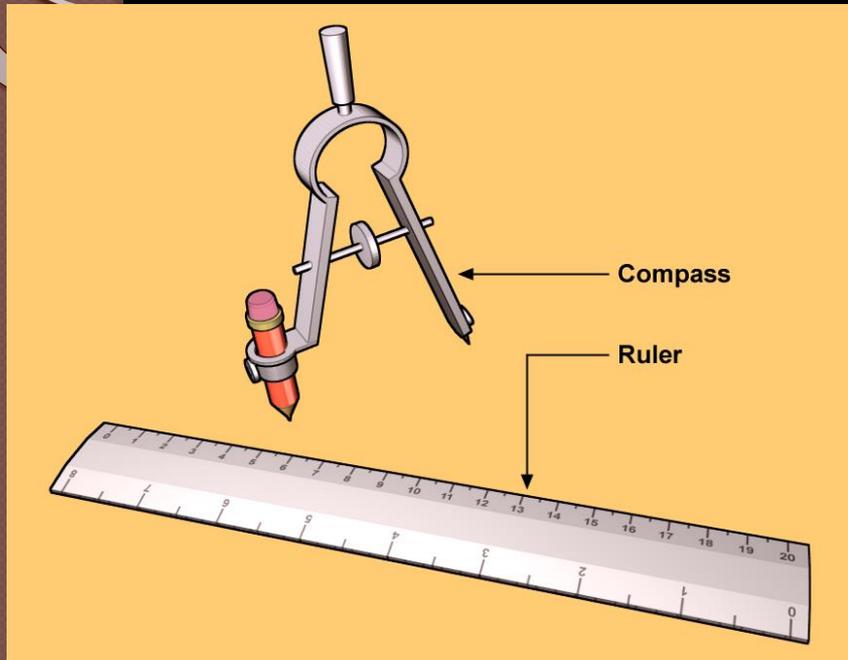
More Geometers



Geometers are all around us.



Tools of a Geometer



School

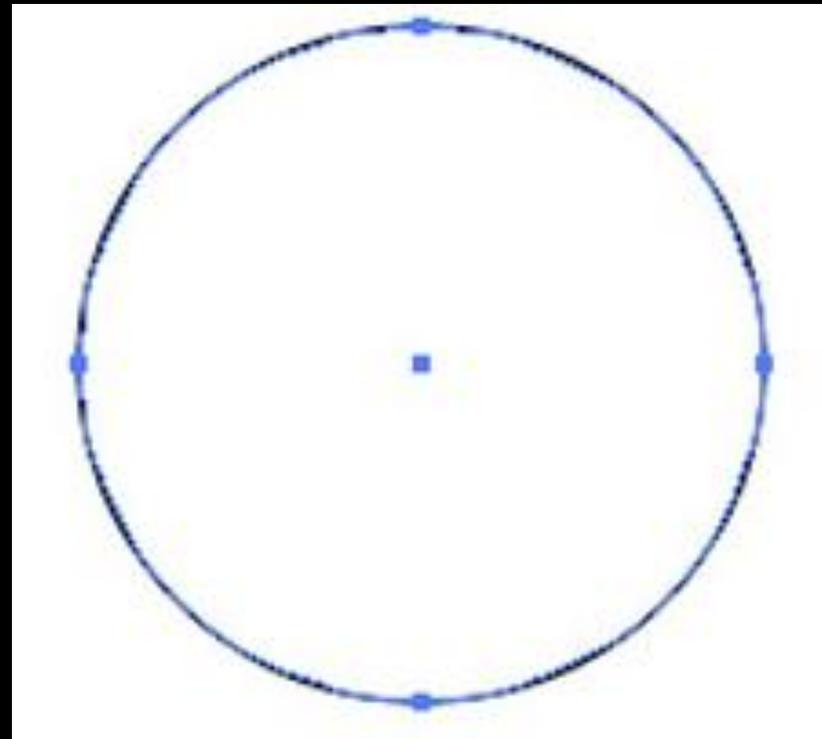




Tree of knowledge has many branches, unified by the patterns found in numbers and shapes

I - Monad-Wholly One

Point
Circle



I-Monad



I - Monad

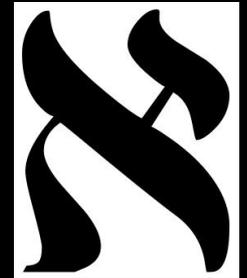
- Unity
- Universe
- United

- Solo
- Total
- Whole

- Monolith
- Monument

Aleph

- Divinity
- Adam
- Jacob's Ladder



I. Monad

universe
unicorn

un
uno
one



—
I

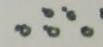


Aleph
Adam

monad

unity

all



monument



Whirlpool

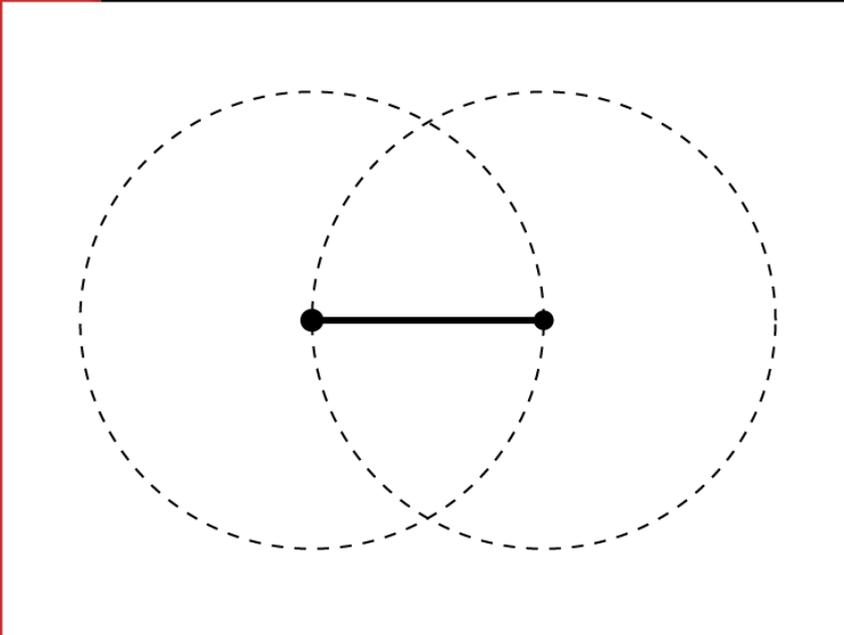
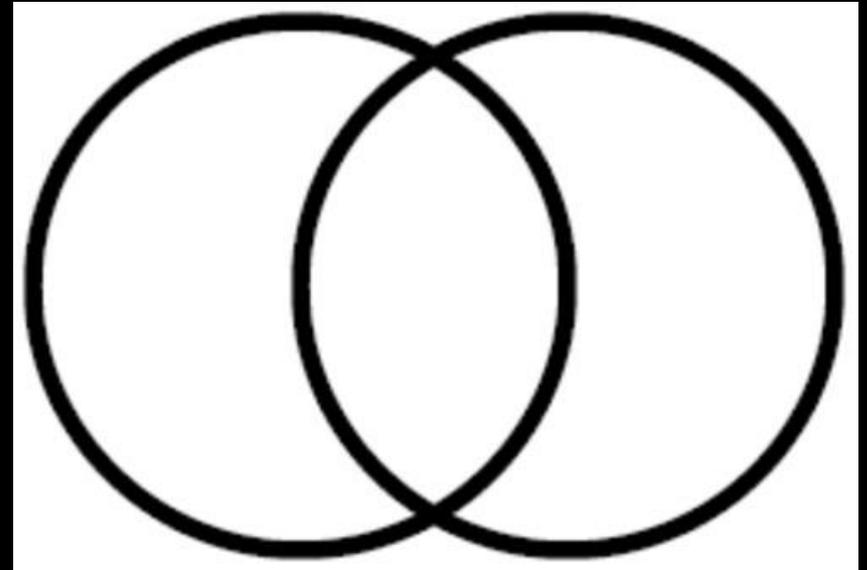


OFF!

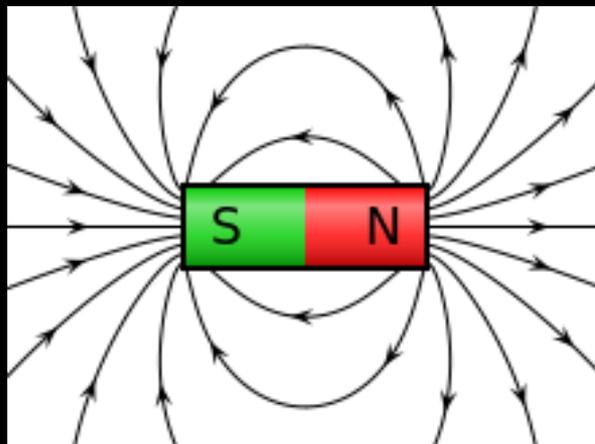
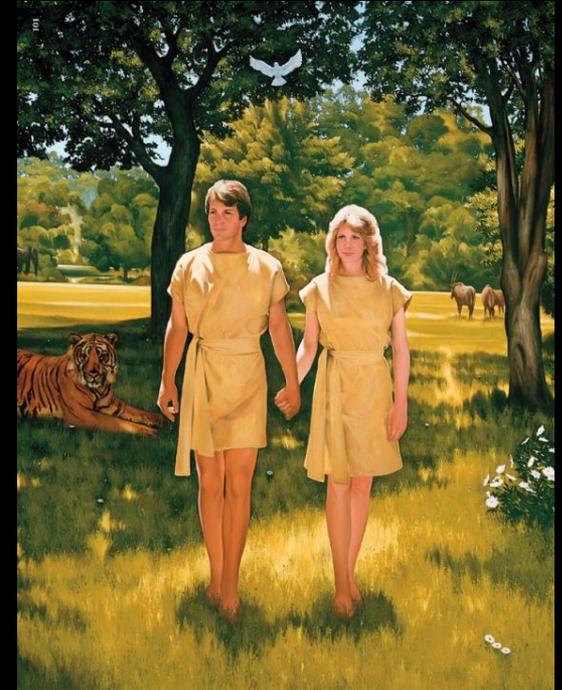
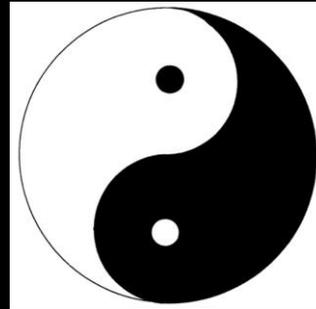
2. Dyad-It Takes Two to Tango

Line

Vesica pisces/
Birth portal



2. Dyad



2 - Dyad

- Pairs
 - Adam & Eve
 - Mom & Dad
 - Shoes
- Opposites
 - Black & white
 - In & Out
- Polar
 - Magnets

- Bilingual
- Binary
- Biplane

- Pairs
- Duet
- Duel

Beis

- Temple
- House
- Blessing



2-Dyad

Dyad

2

||
er

opposites
pairs

N - magnets - S
110001100100001
binary code

that are usually 2 door hinges

N: Haas
girl and boy
is supposed
to be good
N: Haas means
"you're good")

clear
foggy

hen now
(reference
to the
"Hermes
Cassius")
"Hermes
Cassius")

opposites

February

Superhero + sidekick

body-spirit

Orphans

Disaste
Curn

most people
have 2 best friends

JENNASIS
(90% of deaths
with 2 hands)

bread + wine/water

Physical death
Spiritual death

atone/ment + resurrection

dog
cat

energy - matter + anti-matter

half life to d

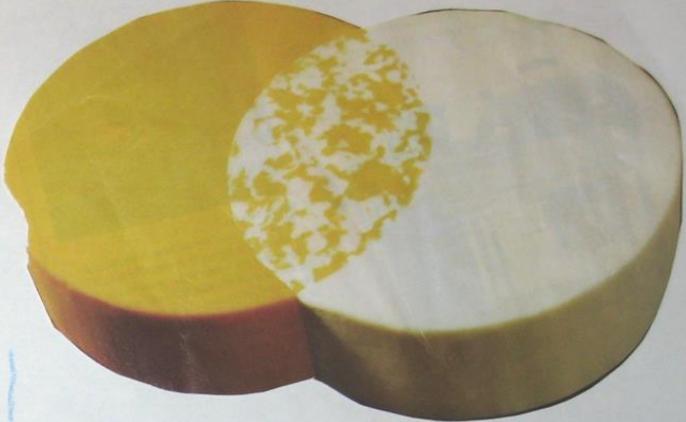
2 arms, 2 legs, 2 ears,
2 lungs, 2 sides of face
brain, etc.

good-evil

attract - repel

squares

(Gedige + Marjorie
Hermes Cassius)
(2 snakes)

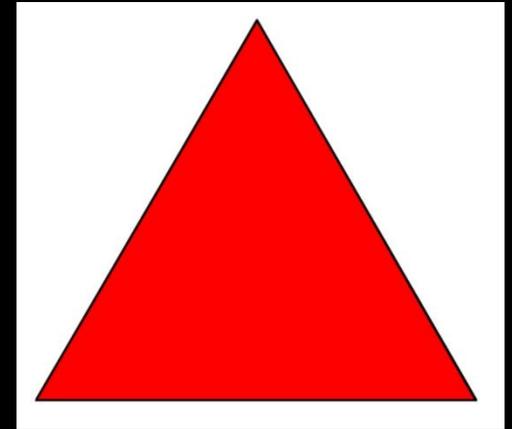
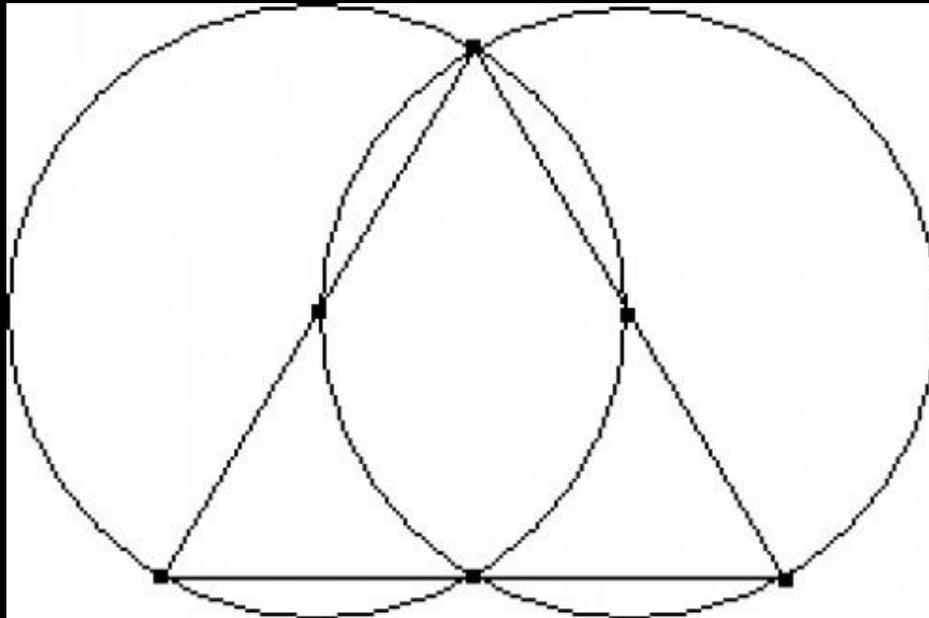


3-Triad-Three Part Harmony

Planes

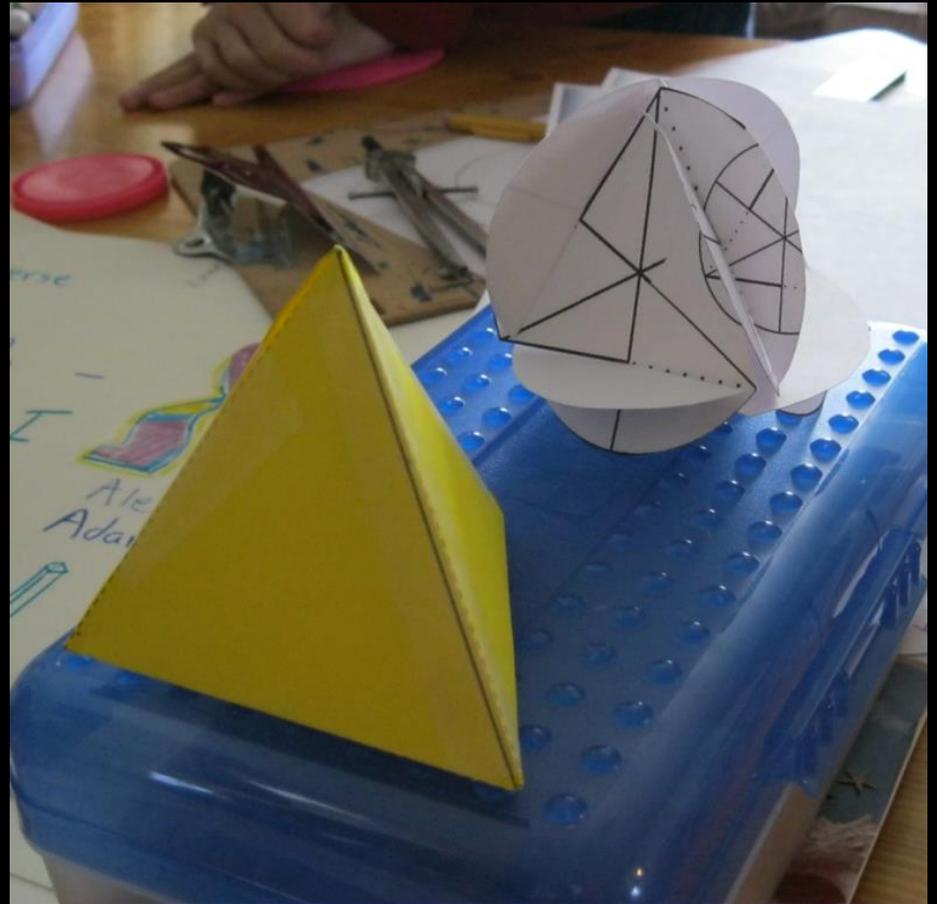
Triangles

Platonic Solids



3-Triad, platonic solids

- Tetrahedron-
 - fire
- Octahedron-
 - air
- Icosahedron-
 - water



3.Triad

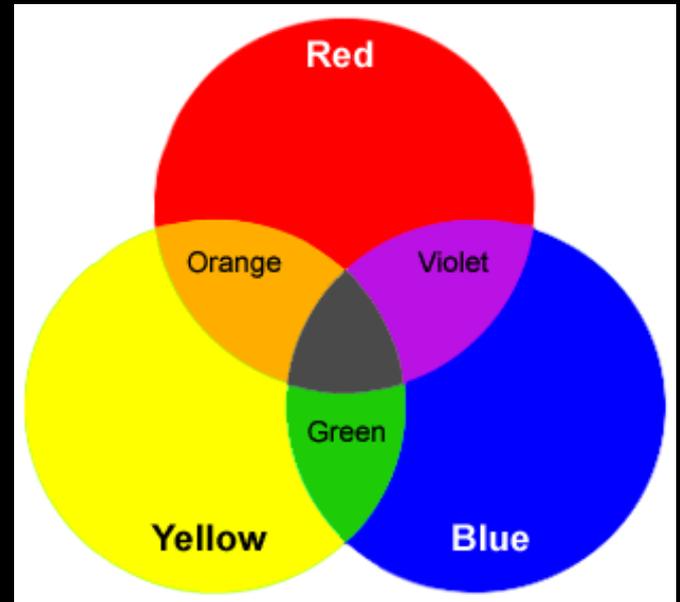
- All shapes created through birth portal
- Balance
- Structure
- Opposite Poles + Binding Element = New Whole
- Threes in literature
- Nature
- Beginning, middle, end
- Structure



Gimmel

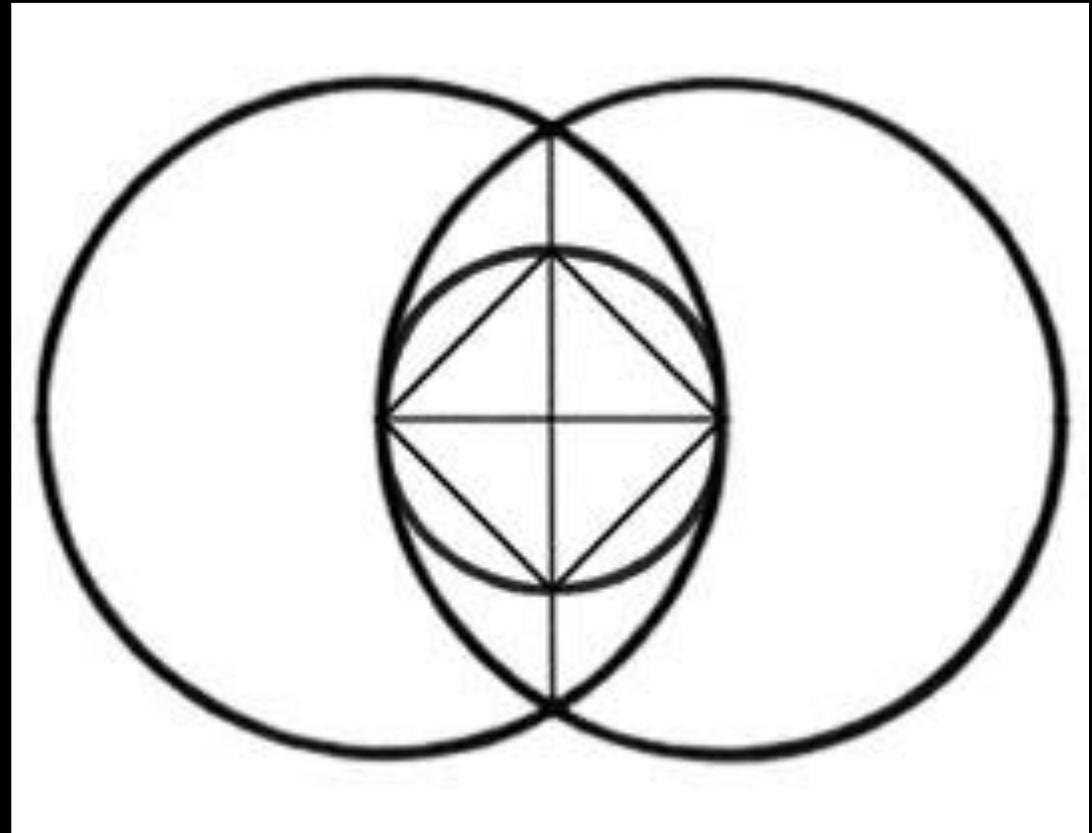
- Nourish
- Good Samaritan
- Sun, Moon, Stars

3. Triad



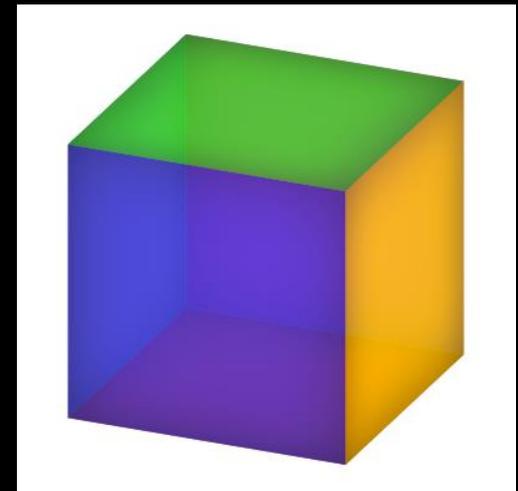
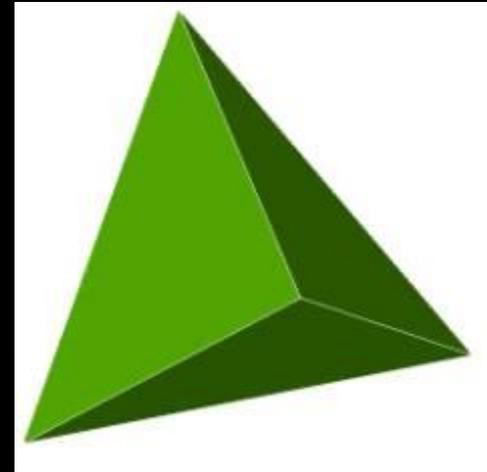
4. Tetrad-Mother Substance

Solid
Volume
Square



4-Tetrad

- Platonic solid
- Tetrahedron
 - 4 sided
 - Fire
- Cube
 - Made with squares
 - Earth

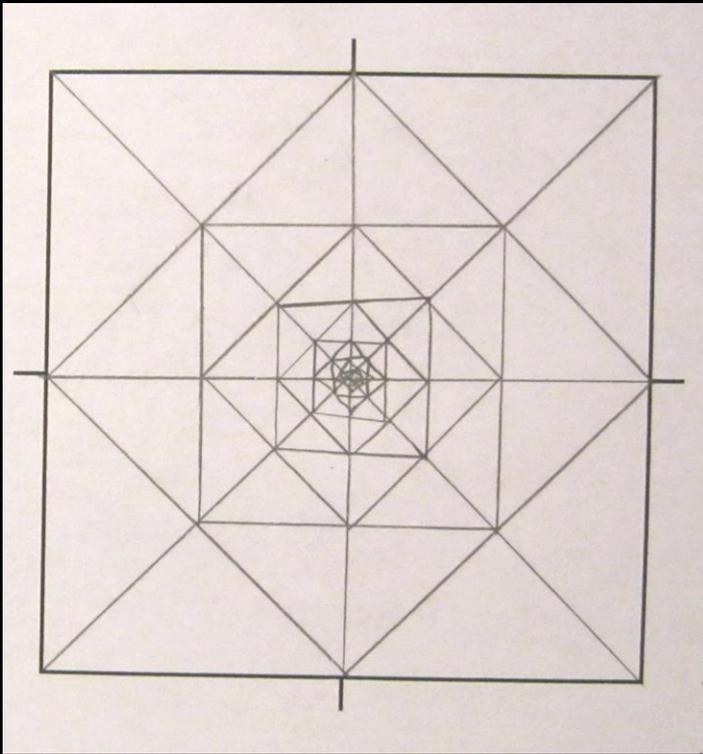


4-Tetrad

- Four states
- Weave of the Goddess
- Four elements
- Four Directions
- Crystals
- Quarter
- Quadrant
- Quartet
- Tent door
- 4 corners of earth
- Love the Lord
 - Heart, soul, strength, mind



4-Tetrad



4-Tetrad

quater **quart** **quatet**

quarentien

baseball

Four

Four square game

on Mount Sinai for 40 days

ten of clover

Four

Four Unwanted characters

Solomon fasted for forty day

Four

April

40 days of fasting - Christ was tempted by Satan.

Fair and square

Kate Wheeler
Ragnar Malbon
Stacy Wash
Constance Confair

Four corners of the earth

40 days in wilderness

four score

four members of The Mysterious Benedict Society - Annie, Kate, Sticky, and Constance. four words in the title

fire
earth
water
air

board games

4 four letters in 4

Dalet-four, compass-four, compass points, world-wide

reliability

squad

squadron

four

square

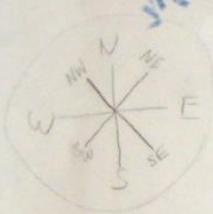
human gestation = 40 weeks

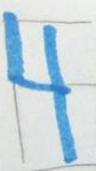
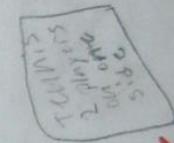
Chronicles of Maricia
Peter, Edmund, Susan, Lucy

For Wizard chinning in Harry Potter & the Goblet of Fire, the Fourth Book

5000
5000
5000
5000

5000
5000
5000
5000



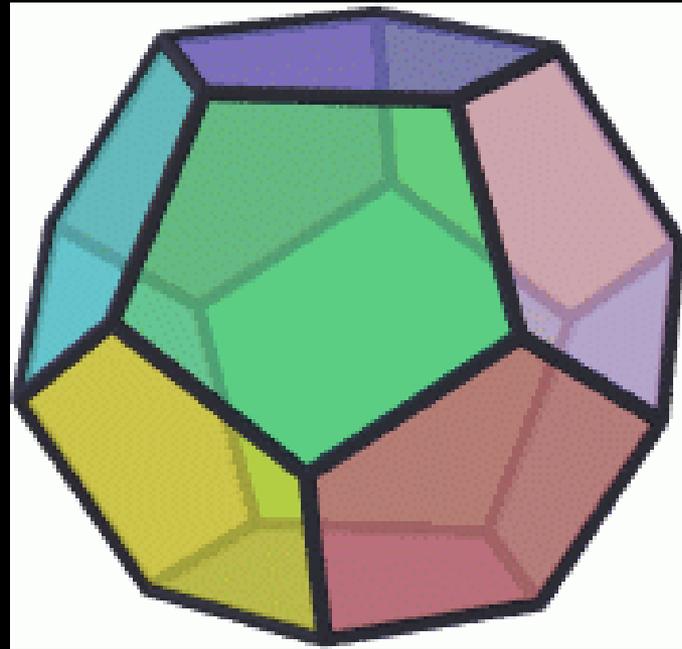








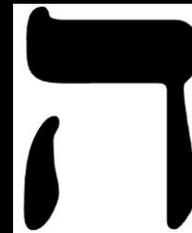
5-Pentad

- Dodecahedron
 - Universe
 - 12 sides



5-Pentad

- 5th day of creation-animals
- Regeneration
- Stars
- Leaves
- Piano keyboard
- Beauty
- Waves
- Spirals
- Fibonacci



- Quintessential
- Quintuplets
- Pentathlon
- Pentateuch
- 5 Star

Hei

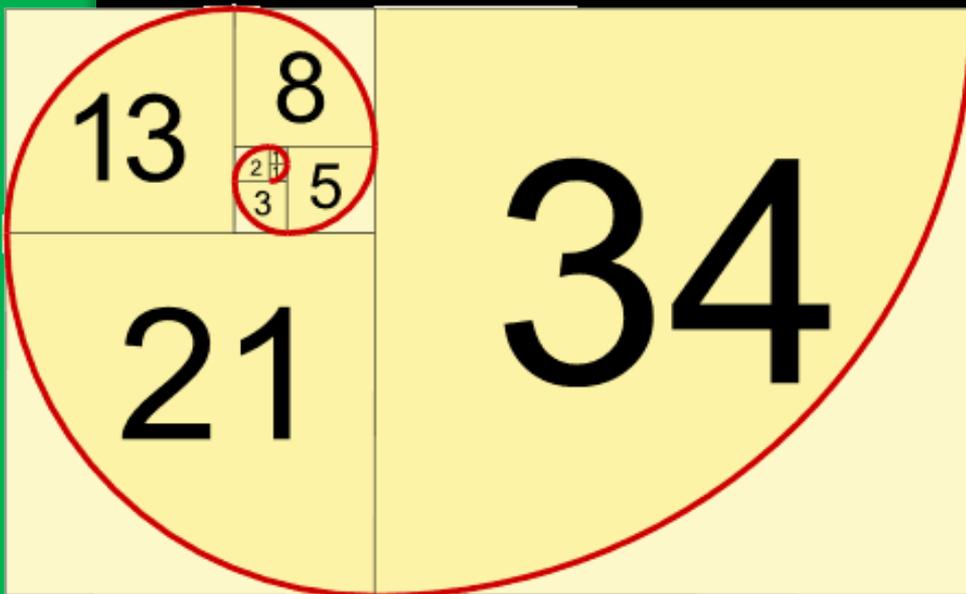
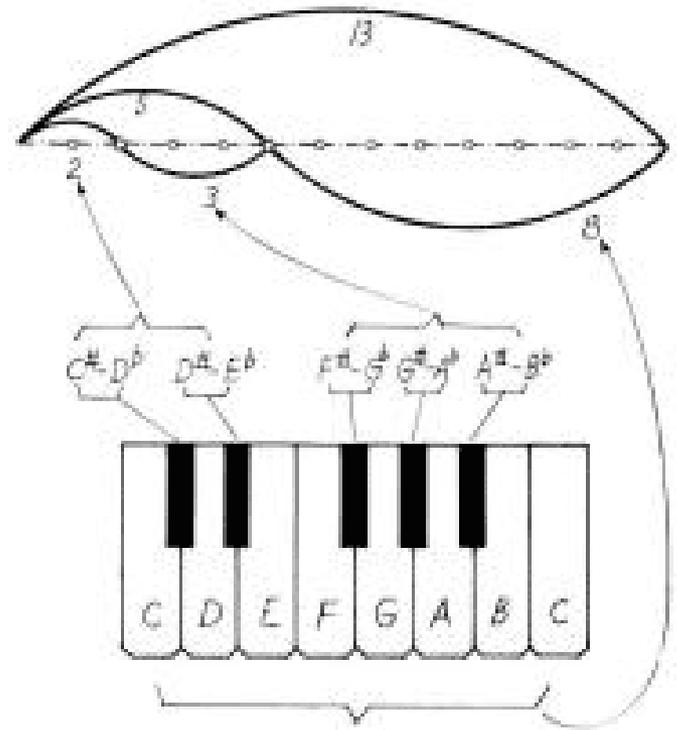
- Hand/Act
- Freedom of Choice
- David & Goliath

5-Pentad



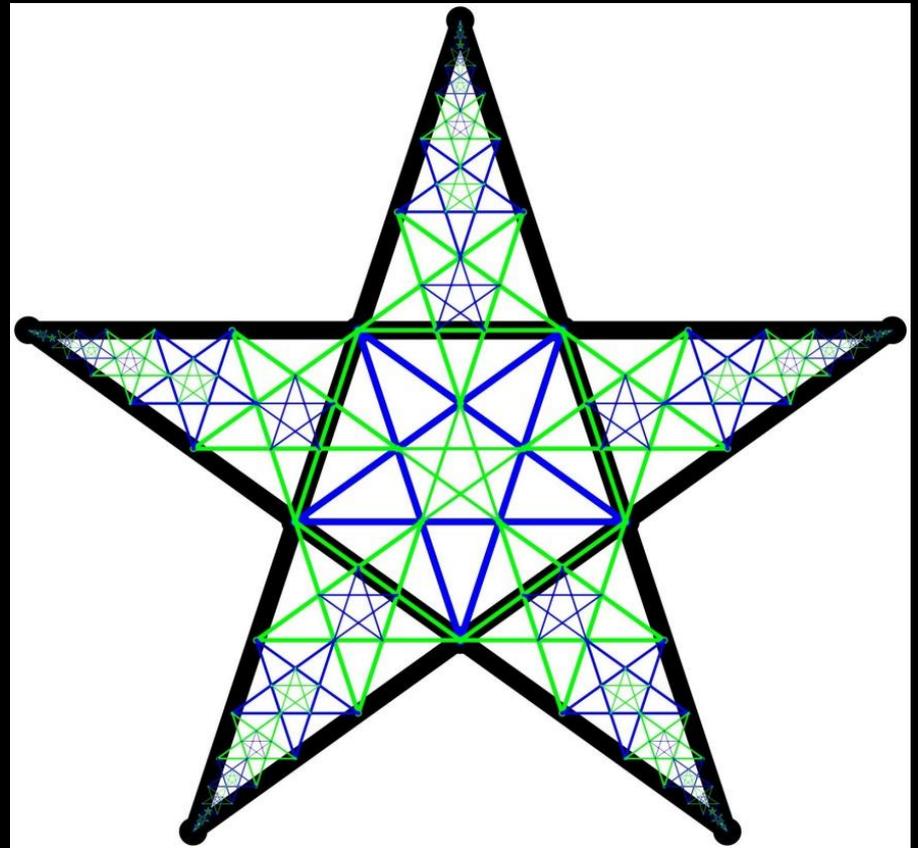
$$2:3 = 0.666... \quad 3:5 = 0.6 \quad 5:8 = 0.625 \quad 8:13 = 0.615$$

$$\phi = 0.618$$



5-Pentad

- Pentagram
 - Symbol of mathematic perfection & eternity.
 - On Nauvoo Temple



5-Pentad

13.5.5.2121.54.55
5.842.8.5

excellance

regeneration

David Forward
Five smooth stones
pinkish has
Chris

5 stars
5 Star
RATING

the fox

5 week days

apple

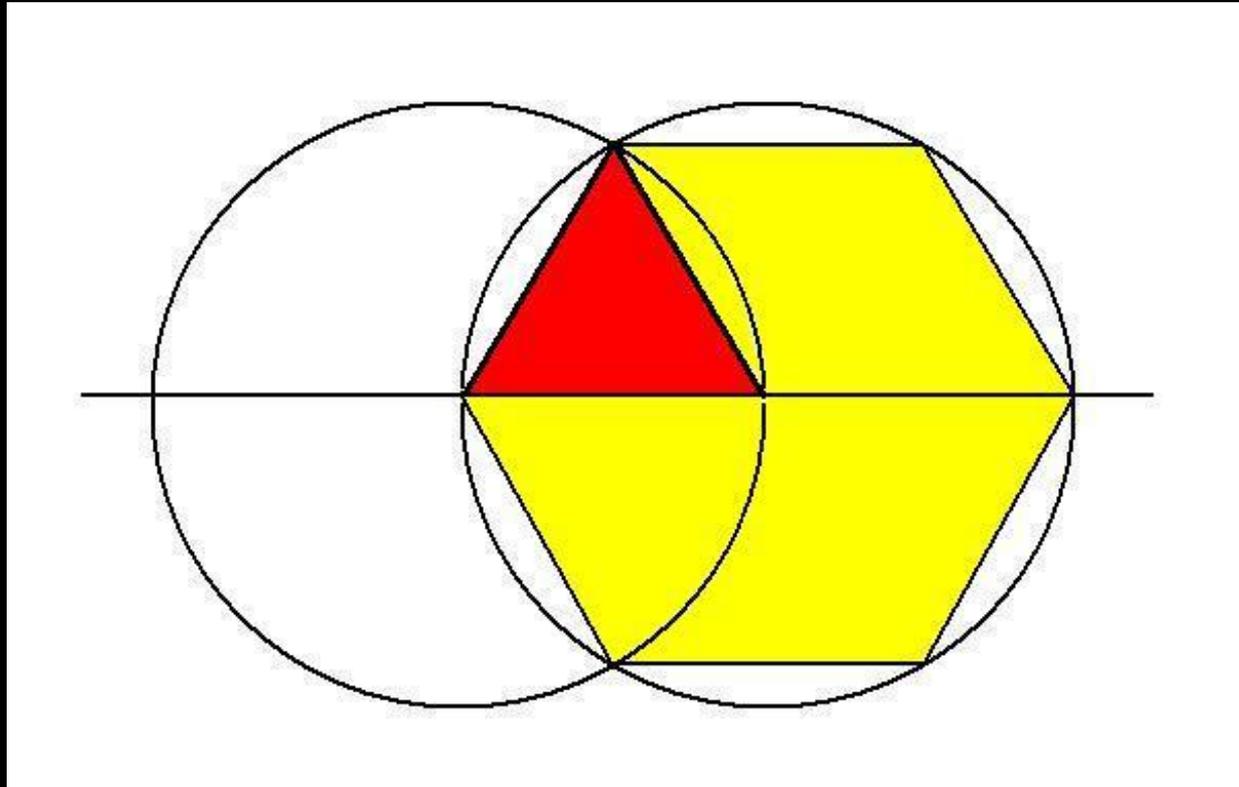
5 children fit
5 vowels

Mattson kids
5 songs

14 Testament, New
5 names, 5 of

The image shows a collection of hand-drawn sketches and text on a piece of paper. At the top center, the word 'excellance' is written. To its right, there are five stars and the text '5 Star RATING'. Below this, a large letter 'U' is drawn with a purple left curve, a blue top bar, and a red bottom section. To the right of the 'U' is a drawing of a tree with a red trunk and green foliage. Below the 'U' is the text '5 week days' and 'apple'. To the left of the 'U' are several sketches of elongated, curved shapes, some with small circles inside. At the bottom left, there is a list of names: 'Hera-Jane', 'Athena-nineta', 'Aphrodite-venus', 'Demeter', and 'Hestia-Venus'. At the bottom center, there is a small star with the number '5' inside it. At the bottom right, there is a list of names: 'Perseus', 'Hades', 'Hera', 'Demeter', and 'Zeus'. There are also some other text fragments like '15 golden rings' and '14 Testament, New 5 names, 5 of'.

6. Hexad-Structure, Function, Order Hexagon



6-Hexad

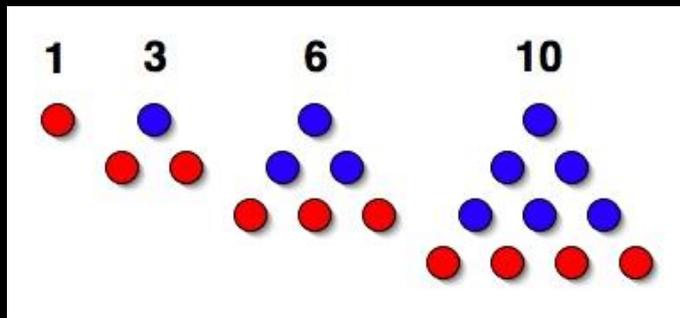
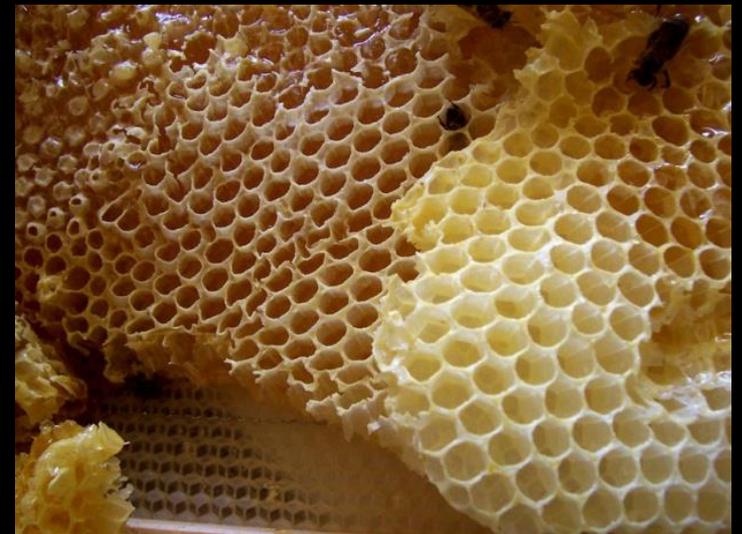
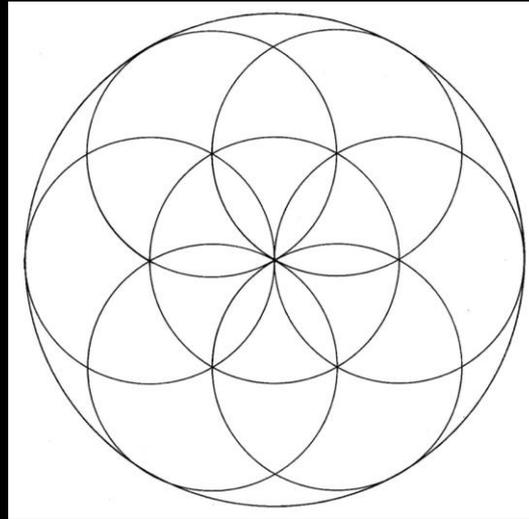
- Tessellation
- Hexaflexagons
- Triangular numbers
- In Nature
- Twelves
- Circle & square
- Squared circles
- Time
- Crystal structure



Vav

- Physical completion
- Hook or secure peg
- Armor of God, pieces

6. Hexad



6-Hexad

6

6 days to
create the
earth

physical
complexness



hexaflexagons

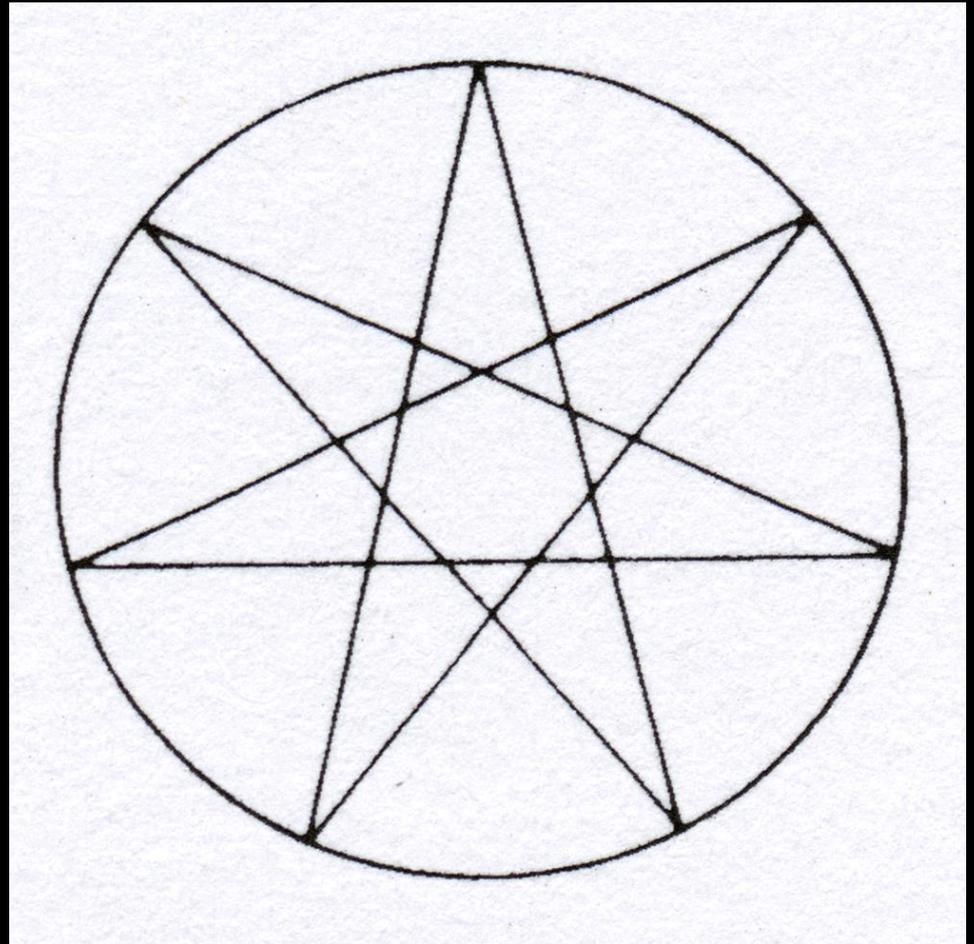


honeycomb

7. Heptad*-Enchanting Virgin

Heptagon

*Cannot be
“born” in
vesica pisces



7-Heptad

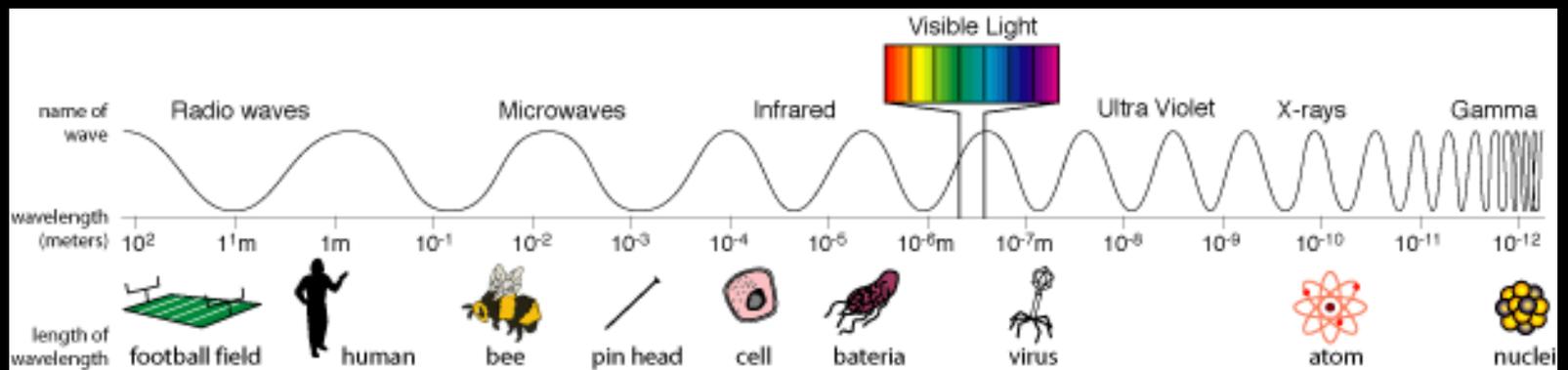
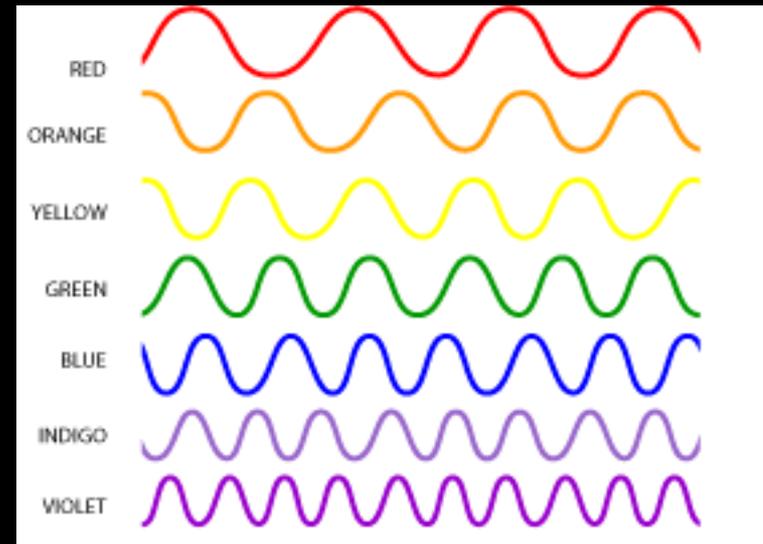
- Only shape whose angles are not a whole number
- Light
- Do, re, me...
- Week
- Music
- Waves



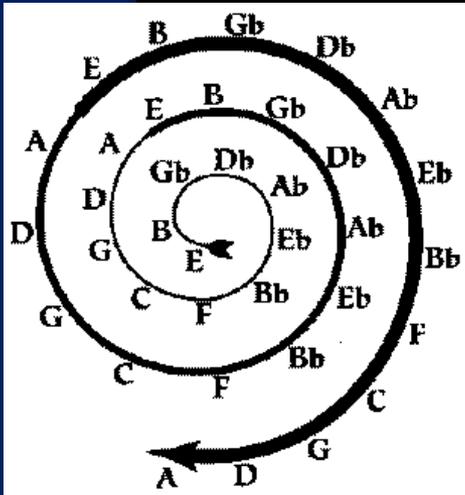
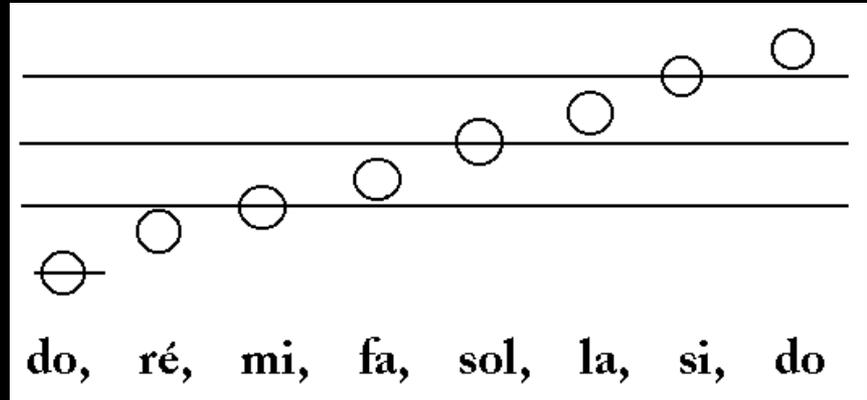
Zayin

- Spiritual Completion
- Sabbath
- 7 dispensations

7-Heptagon



7-Heptad



DO minus

SI ider

LA ctea

SOL

FA ta

MI crocosmos

RE gina Coeli

DO minus

Lord

Stars

Milk

Sun

Fate

Small Universe

Queen of the Heavens

Lord

Absolute

All Galaxies

Milky Way Galaxy

Sun

Planets

Earth

Moon

Absolute

“to play the harmonies of heaven”

7-Heptad

THE CHROMATIC (TWELVE TONE) MUSICAL SCALE - THE CIRCLE OF FIFTHS

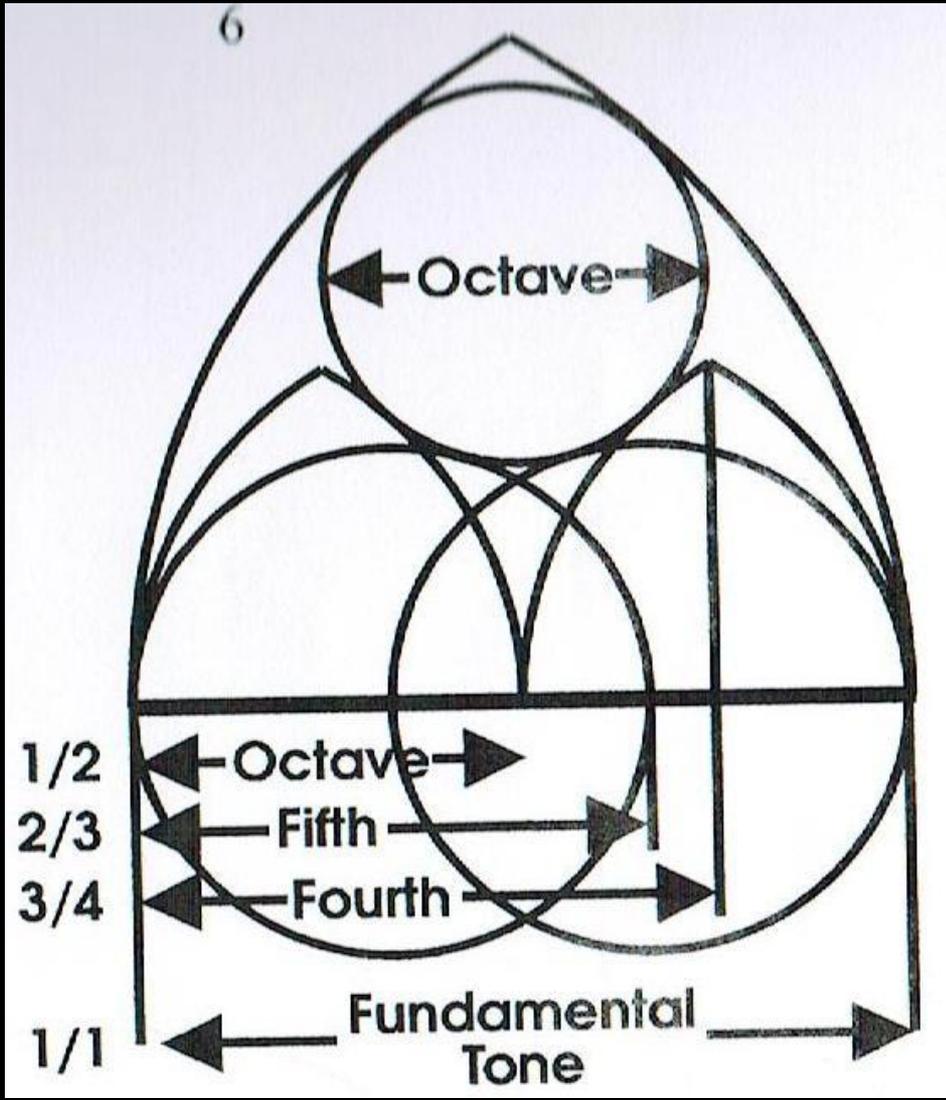
G \flat B E A D G C F B \flat E \flat A \flat D \flat G \flat E

IF YOU PLUCK A TENSIONED STRING HALFWAY BETWEEN THE END POINTS OF ANY GIVEN TONE, YOU WILL GET THAT SAME TONE, ONE OCTAVE HIGHER.

SHOWN TO THE LEFT:

- BASE TONE
- 1/2 (+1 OCTAVE)
- 1/4 (+2 OCTAVES)
- 1/8 (+3 OCTAVES)
- X2 (-1 OCTAVE)

THE CONDENSED FRETBOARD IS CREATED BY THE BASE TONES, PLUS OCTAVING (HALFING OR DOUBLING THE LENGTHS)



7-Heptad

- I would teach children music, physics, and philosophy; but most importantly music, for the patterns in music and all the arts are the keys to learning.
- ~Plato

7-Heptad

7
Week
Spiritual
Completion

Harry Potter
books

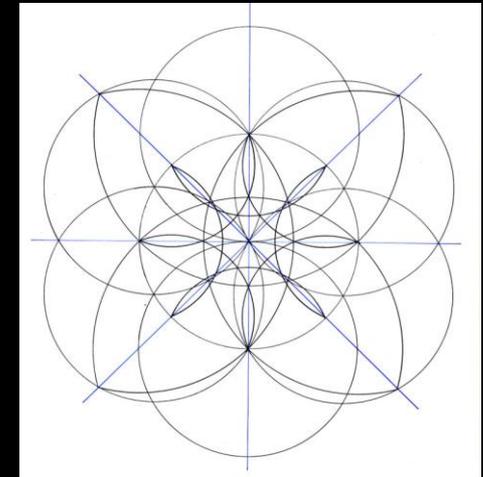
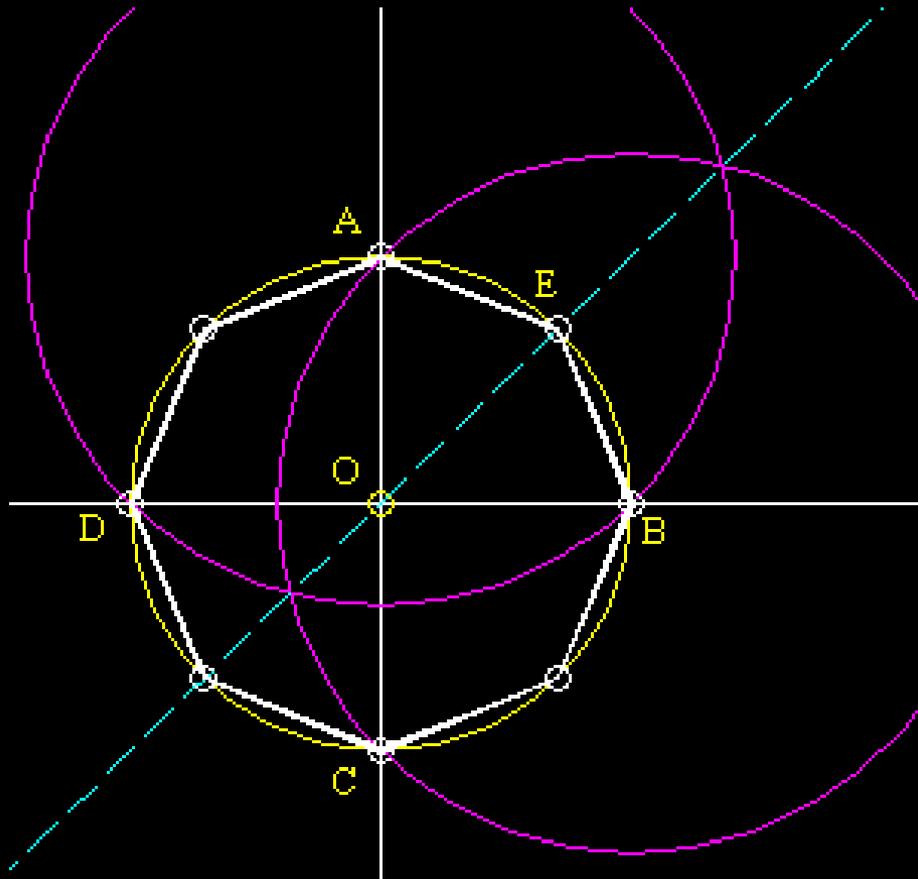
7
Stickers

There are
apparently
several colors
in the
rainbow



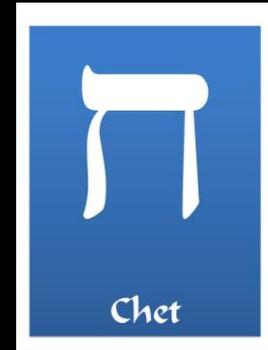
Group of
the
the
Seventy

8. Octad-Periodic Renewal



8-Octad

- Chess
- Moon phases
- Universe
- Periodic renewal



Ches

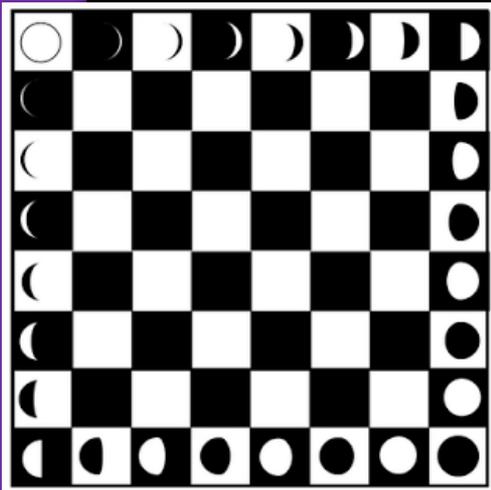
- Transcend
- Grace
- Noah

8-Octad



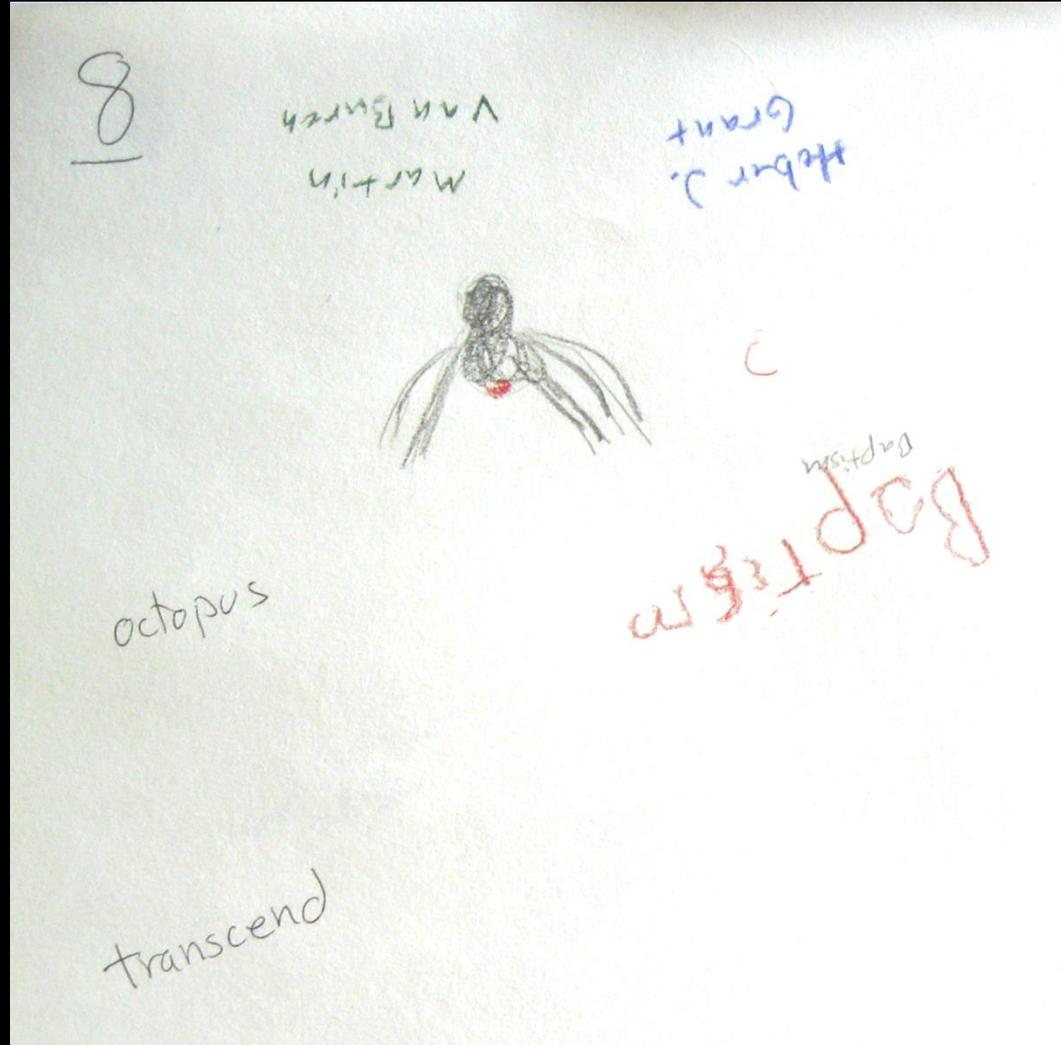
Periodic Table of the Elements

1 1IA H Hydrogen 1.0079	2 IIA 2A He Helium 4.0026											13 IIIA 3A Al Aluminum 26.981539	14 IVA 4A Si Silicon 28.0855	15 VA 5A P Phosphorus 30.973762	16 VIA 6A S Sulfur 32.06	17 VIIA 7A Cl Chlorine 35.4527	18 VIIIA 8A Ar Argon 39.948												
3 IIIA 3A Li Lithium 6.941	4 IIA 2A Be Beryllium 9.01224											5 IIIA 3A B Boron 10.811	6 IVA 4A C Carbon 12.011	7 VA 5A N Nitrogen 14.00644	8 VIA 6A O Oxygen 15.999	9 VIIA 7A F Fluorine 18.998403	10 VIIIA 8A Ne Neon 20.1797												
11 IIA 2A Na Sodium 22.98976928	12 IIIA 3A Mg Magnesium 24.304	13 IIIB 3B Sc Scandium 44.955912	14 IVB 4B Ti Titanium 47.88	15 VB 5B V Vanadium 50.9415	16 VIB 6B Cr Chromium 51.9961	17 VIIB 7B Mn Manganese 54.938	18 VIII 8 Fe Iron 55.847		19 VIII 8 Co Cobalt 58.9332	20 VIII 8 Ni Nickel 58.6934	21 VIII 8 Cu Copper 63.546	22 VIII 8 Zn Zinc 65.39	23 VIII 8 Ga Gallium 69.723	24 VIII 8 Ge Germanium 72.64	25 VIII 8 As Arsenic 74.9216	26 VIII 8 Se Selenium 78.96	27 VIII 8 Br Bromine 79.904	28 VIII 8 Kr Krypton 83.80											
19 IIA 2A K Potassium 39.0983	20 IIIA 3A Ca Calcium 40.078	21 IIIB 3B Sc Scandium 44.955912	22 IVB 4B Ti Titanium 47.88	23 VB 5B V Vanadium 50.9415	24 VIB 6B Cr Chromium 51.9961	25 VIIB 7B Mn Manganese 54.938	26 VIII 8 Fe Iron 55.847	27 VIII 8 Co Cobalt 58.9332	28 VIII 8 Ni Nickel 58.6934	29 VIII 8 Cu Copper 63.546	30 VIII 8 Zn Zinc 65.39	31 VIII 8 Ga Gallium 69.723	32 VIII 8 Ge Germanium 72.64	33 VIII 8 As Arsenic 74.9216	34 VIII 8 Se Selenium 78.96	35 VIII 8 Br Bromine 79.904	36 VIII 8 Kr Krypton 83.80												
37 IIA 2A Rb Rubidium 85.4678	38 IIIA 3A Sr Strontium 87.62	39 IIIB 3B Y Yttrium 88.90584	40 IVB 4B Zr Zirconium 91.224	41 VB 5B Nb Niobium 92.90638	42 VIB 6B Mo Molybdenum 95.94	43 VIIB 7B Tc Technetium 98.9062	44 VIII 8 Ru Ruthenium 101.07	45 VIII 8 Rh Rhodium 102.9055	46 VIII 8 Pd Palladium 106.42	47 VIII 8 Ag Silver 107.8682	48 VIII 8 Cd Cadmium 112.411	49 VIII 8 In Indium 114.818	50 VIII 8 Sn Tin 118.71	51 VIII 8 Sb Antimony 121.757	52 VIII 8 Te Tellurium 127.6	53 VIII 8 I Iodine 126.90447	54 VIII 8 Xe Xenon 131.29												
55 IIA 2A Cs Cesium 132.90545	56 IIIA 3A Ba Barium 137.327	57-71 Lanthanide Series	72 IVB 4B Hf Hafnium 178.49	73 VB 5B Ta Tantalum 180.9479	74 VIB 6B W Tungsten 183.85	75 VIIB 7B Re Rhenium 186.207	76 VIII 8 Os Osmium 190.23	77 VIII 8 Ir Iridium 192.22	78 VIII 8 Pt Platinum 195.084	79 VIII 8 Au Gold 196.96655	80 VIII 8 Hg Mercury 200.59	81 VIII 8 Tl Thallium 204.3833	82 VIII 8 Pb Lead 207.2	83 VIII 8 Bi Bismuth 208.98037	84 VIII 8 Po Polonium (209)	85 VIII 8 At Astatine 208.9804	86 VIII 8 Rn Radon 222.01758												
87 IIA 2A Fr Francium 223.018783	88-103 Actinide Series	104 IVB 4B Rf Rutherfordium (261)	105 VB 5B Db Dubnium (262)	106 VIB 6B Sg Seaborgium (263)	107 VIIB 7B Bh Bohrium (264)	108 VIII 8 Hs Hassium (265)	109 VIII 8 Mt Meitnerium (266)	110 VIII 8 Ds Darmstadtium (268)	111 VIII 8 Rg Roentgenium (269)	112 VIII 8 Cn Copernicium (284)	113 VIII 8 Nh Nihonium (285)	114 VIII 8 Fl Flerovium (287)	115 VIII 8 Mc Moscovium (288)	116 VIII 8 Lv Livermorium (293)	117 VIII 8 Ts Tennessine (294)	118 VIII 8 Og Oganesson (294)	119 VIII 8 Uut Ununtrium (295)	120 VIII 8 Uuq Ununquadium (296)	121 VIII 8 Uup Ununpentium (297)	122 VIII 8 Uuh Ununhexium (298)	123 VIII 8 Uus Ununseptium (299)	124 VIII 8 Uuo Ununoctium (300)							
57 Lanthanide Series La Lanthanum 138.90547	58 Lanthanide Series Ce Cerium 140.12	59 Lanthanide Series Pr Praseodymium 140.90766	60 Lanthanide Series Nd Neodymium 144.24	61 Lanthanide Series Pm Promethium 144.9127	62 Lanthanide Series Sm Samarium 150.36	63 Lanthanide Series Eu Europium 151.964	64 Lanthanide Series Gd Gadolinium 157.25	65 Lanthanide Series Tb Terbium 158.92534	66 Lanthanide Series Dy Dysprosium 162.50	67 Lanthanide Series Ho Holmium 164.93033	68 Lanthanide Series Er Erbium 167.259	69 Lanthanide Series Tm Thulium 168.93401	70 Lanthanide Series Yb Ytterbium 173.04	71 Lanthanide Series Lu Lutetium 174.967	89 Actinide Series Ac Actinium 227.03373	90 Actinide Series Th Thorium 232.0377	91 Actinide Series Pa Protactinium 231.0362	92 Actinide Series U Uranium 238.02891	93 Actinide Series Np Neptunium 237.04817	94 Actinide Series Pu Plutonium 244.06422	95 Actinide Series Am Americium 243.0613	96 Actinide Series Cm Curium 247.07035	97 Actinide Series Bk Berkelium 247.07035	98 Actinide Series Cf Californium 251.0832	99 Actinide Series Es Einsteinium 252.0832	100 Actinide Series Fm Fermium 257.1035	101 Actinide Series Md Mendelevium 258.1035	102 Actinide Series No Nobelium 259.1035	103 Actinide Series Lr Lawrencium 260.1035
Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Semimetals	Nonmetals	Halogens	Noble Gas	Lanthanides	Actinides																				

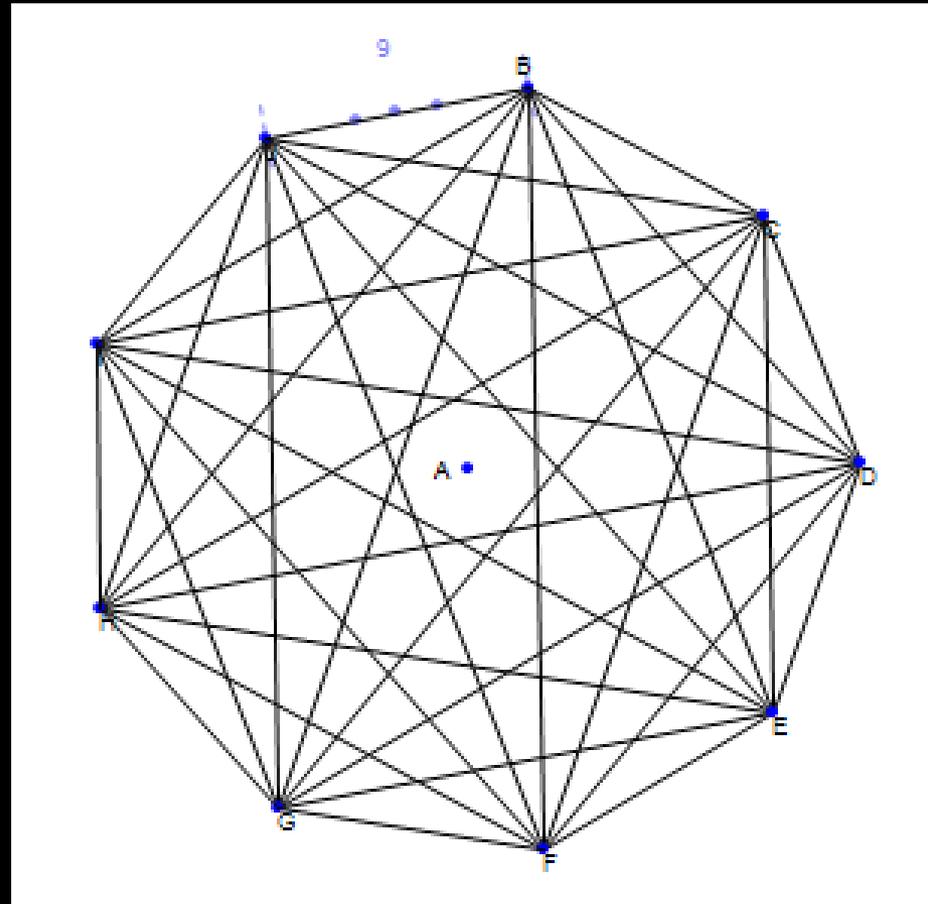
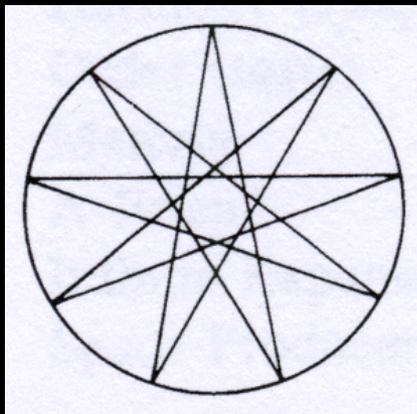


$$1 / 49 = .02040816326412856 \dots$$

9-Octad

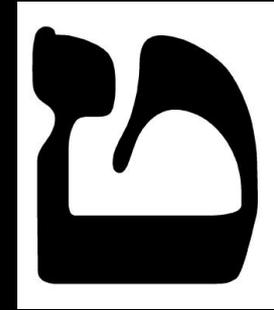


9. Ennead-The Horizon



9-Ennead

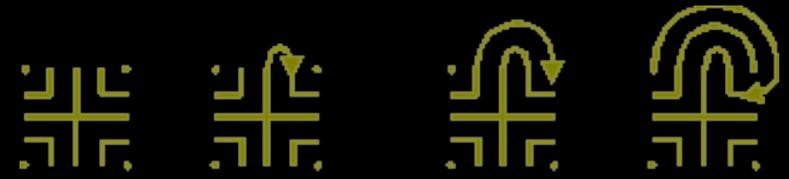
- Casting out nines/
Vedic math
- Whole nine yards
- Muses
- Egyptian gods
- Magic square
- 3X3
- Labyrinth
- Last unique number



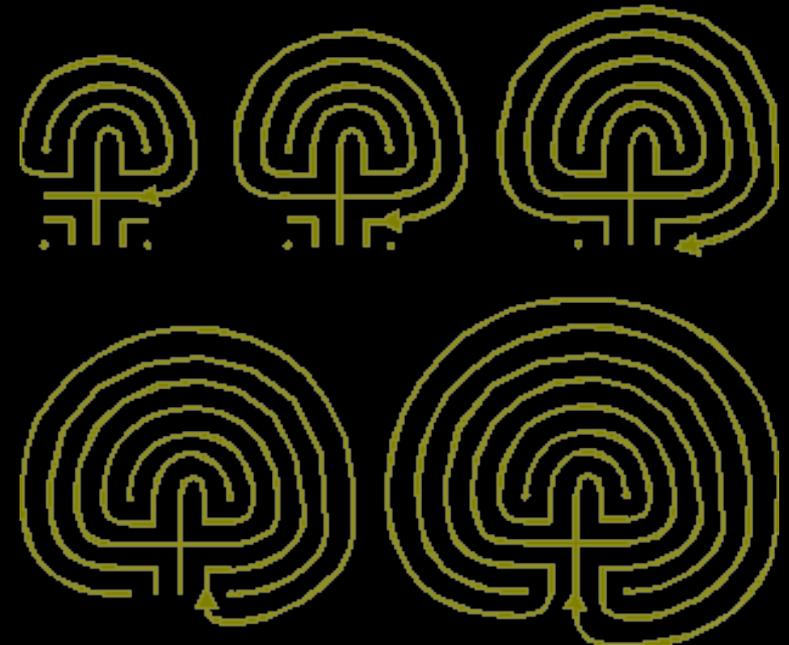
Tes

- Goodness
- Humility
- Job

9-Ennead



1	2	5	4	5	6	7	8	9
2	4	6	8	1	3	5	7	9
3	6	9	3	6	9	3	6	9
4	8	3	7	2	6	1	5	9
5	5	6	2	7	3	8	4	9
6	3	9	6	3	9	6	3	9
7	5	5	8	6	4	2	9	9
8	7	6	5	4	3	2	9	9
9	9	9	9	9	9	9	9	9



4	9	2
3	5	7
8	1	6

9-Ennead

9

~~The~~

THE BRADY BUNCH

William H. Harrison 9 Pres. USA

"I'm Throatful to be
men" 9th Song in
Children's Songbook

David O. McKay
Church Pres.

November

nine Supreme
Court judges

9 articles
of Faith

In
One



humility
boasting

Testeth
Job

9 Gospel
Principals

10-Decad

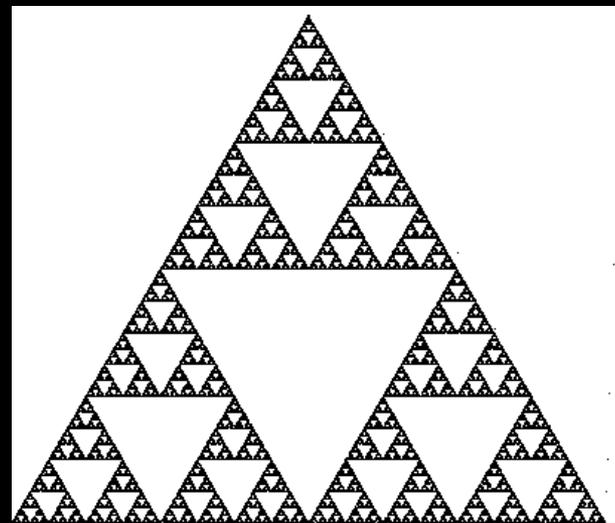
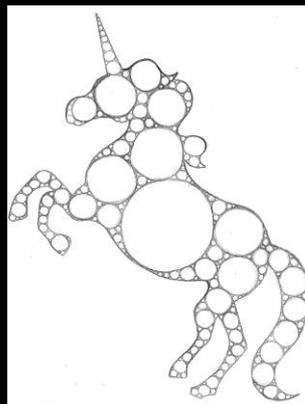
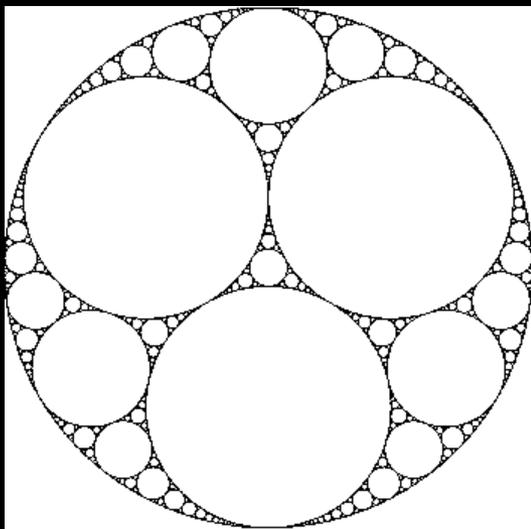
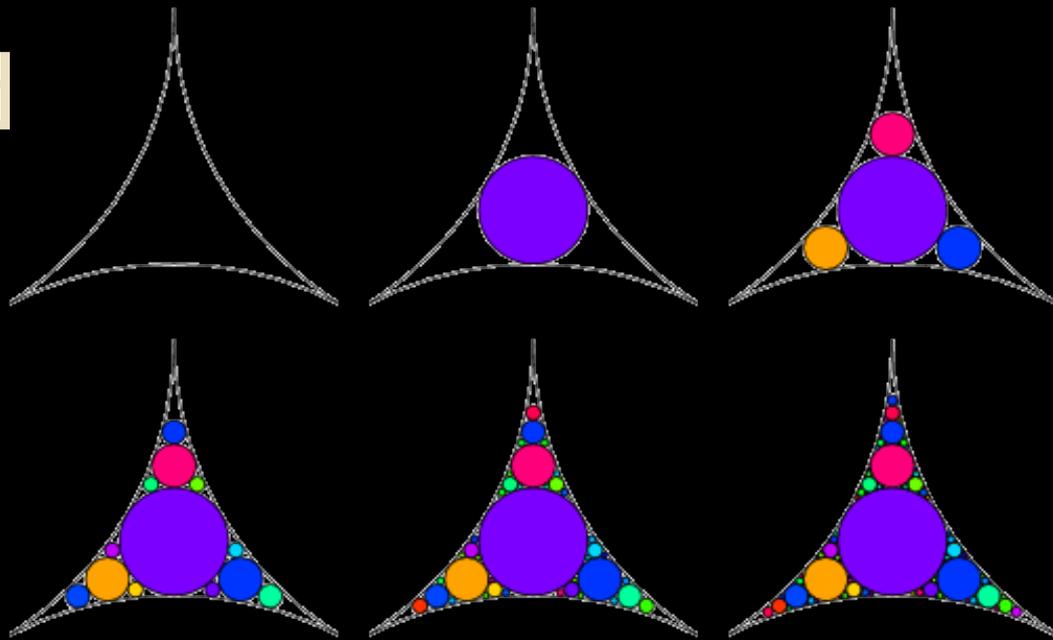
- Start again
- New Beginnings
- Infinite series
- Hebrew alphabet
- Tree of life



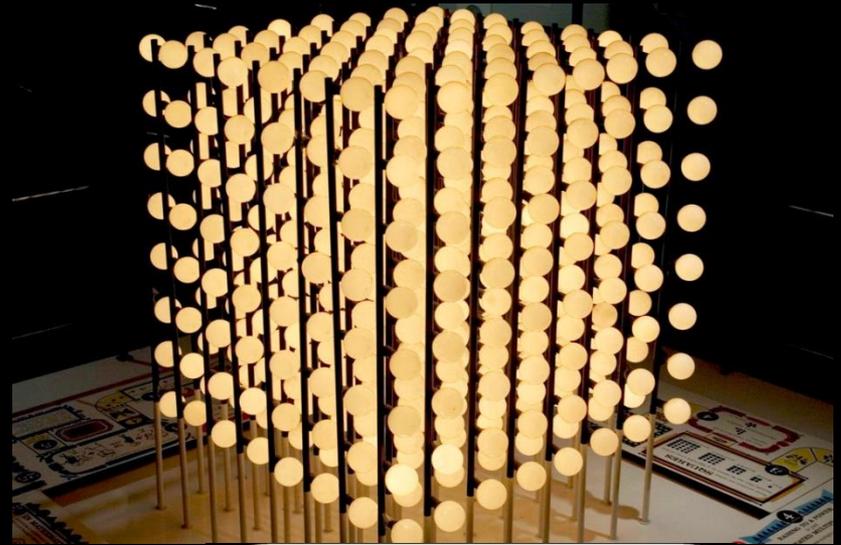
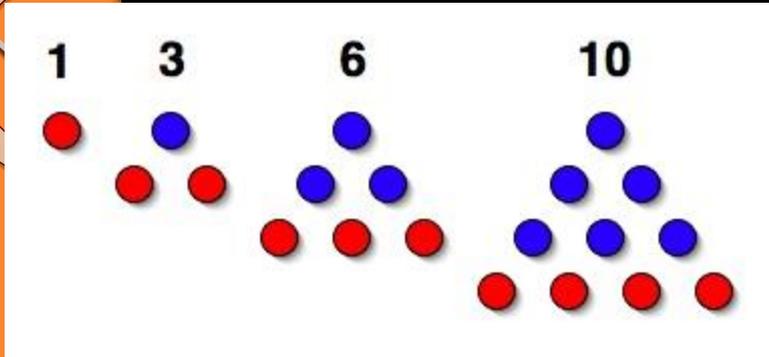
Yod

- Power
- Entirety
- Commandments

I0-Decad



10-Decad

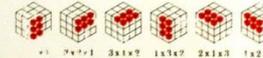


THIS CUBE OF LIGHTS IS A **MULTIPLICATION MACHINE**

IT WILL MULTIPLY THE NUMBERS YOU CHOOSE FROM THESE THREE ROWS OF BUTTONS.

1. PRESS ONLY ONE BUTTON IN EACH ROW.
2. PRESS THE START BUTTON TO MULTIPLY.

EACH ROW OF BUTTONS CONTROLS ONE OF THREE DIRECTIONS OF LIGHTS WITHIN THE CUBE.

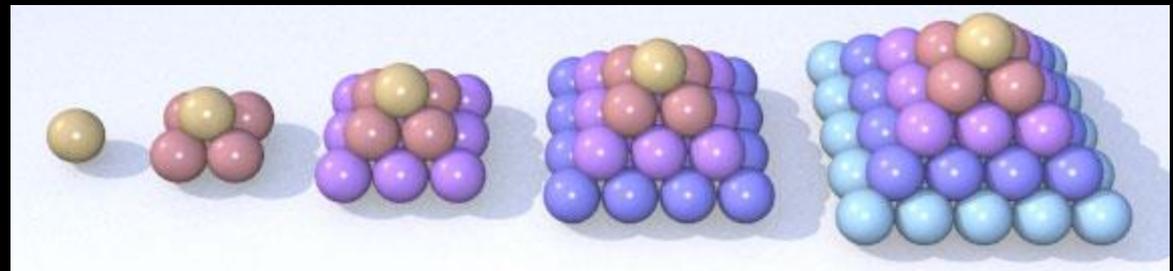
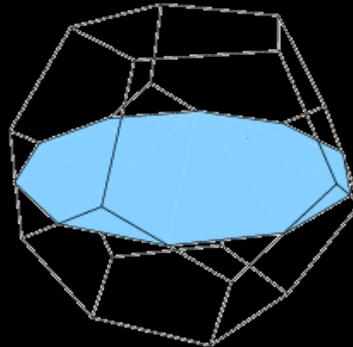


$1 \times 1 = 1$ $3 \times 1 = 3$ $1 \times 3 = 3$ $2 \times 1 = 2$ $1 \times 2 = 2$

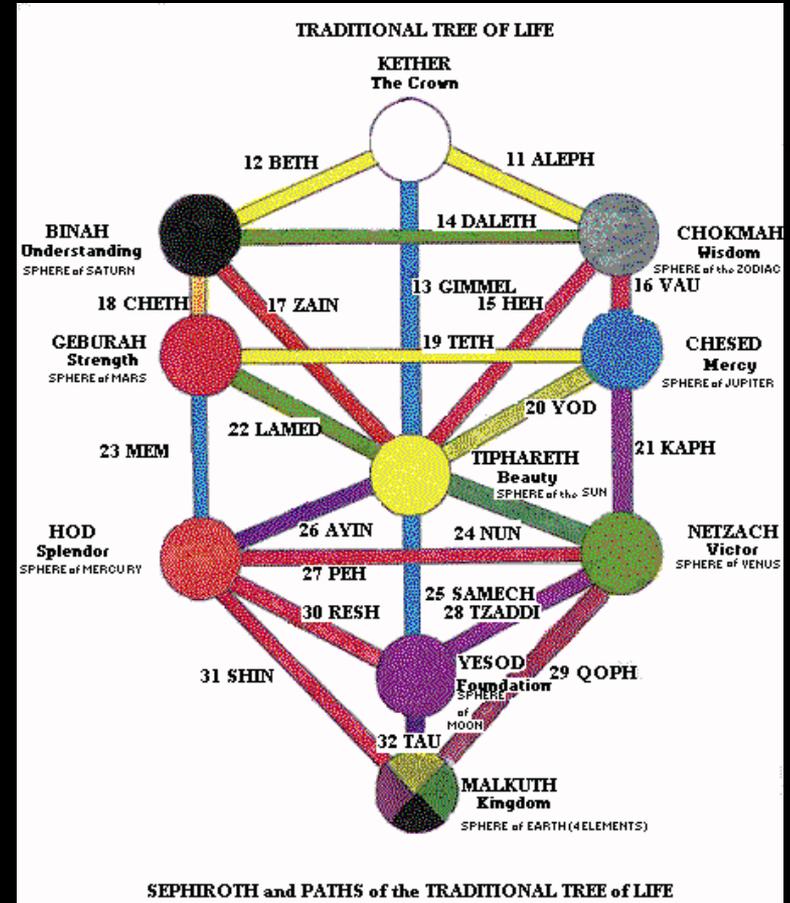
THE CUBE CAN ONLY MULTIPLY EITHER TWO OR THREE NUMBERS, ONE NUMBER FROM EACH ROW OF BUTTONS, BECAUSE A CUBE HAS ONLY THREE DIRECTIONS.

ON PAPER YOU CAN GO ON MULTIPLYING MORE AND MORE NUMBERS, FOR AS LONG AS YOU LIKE, BUT THIS KIND OF SOLID MODEL IS LIMITED TO THREE.

AROUND THE BASE OF THE CUBE IS MORE INFORMATION ABOUT MULTIPLICATION.



10-Decad



10-Decad

10

J

Minerals
X

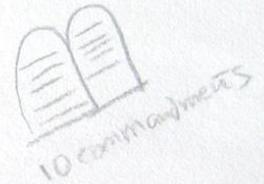
Joseph Fielding
Smith

Power
S



Shi

10°f



Yod
10mlr
Hebrew
Mid-back

John Tyler
10th US
Pres.

Tree of
Life

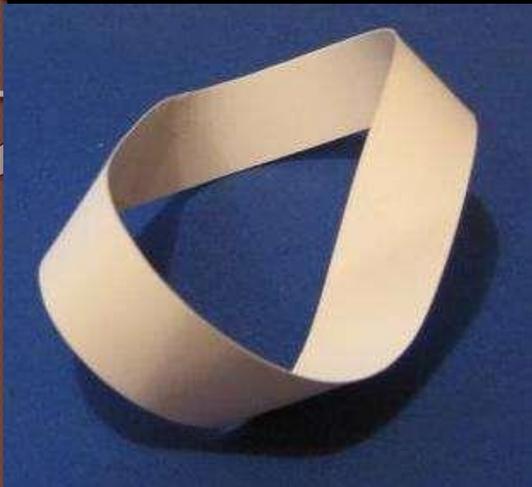
Moroni's
promise
Moroni 10:3-5

Ten
LePERS

Ten
Virgins



Recreational Math





Mobius Strip

- Take a strip of paper, give one end a half twist and tape the ends together. You now have a one sided object.
- Cut it in half, long-wise
- Cut off the edge, without cutting through the loop



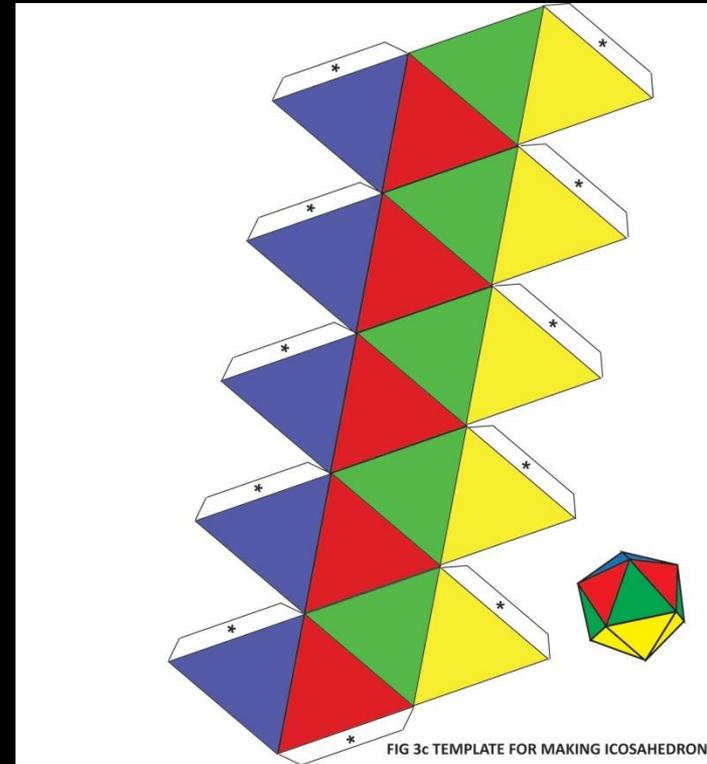
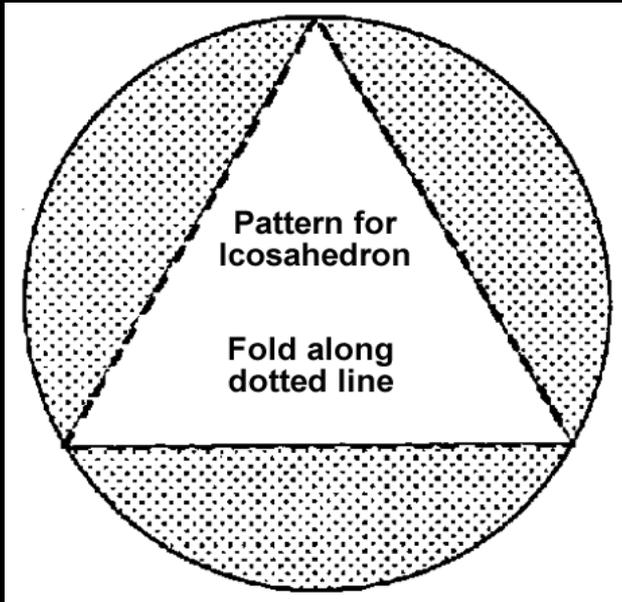


Möbius Strip



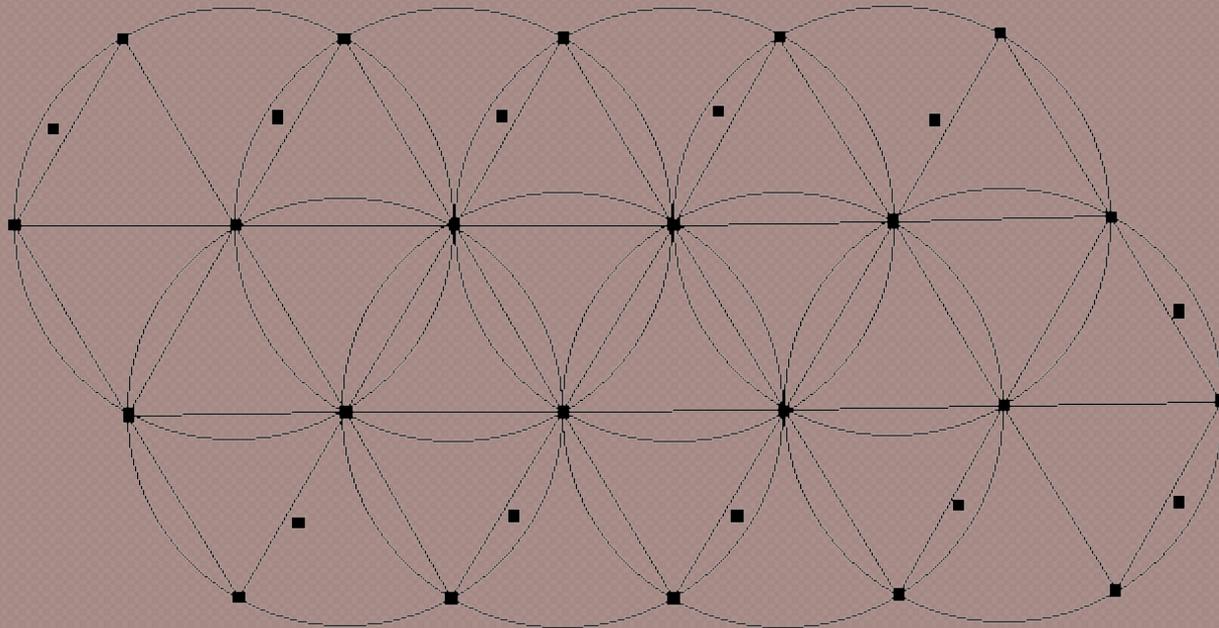
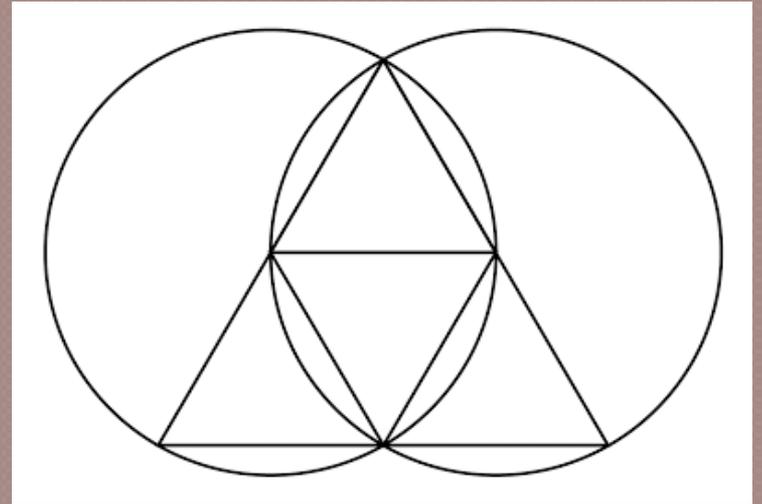


Platonic solids

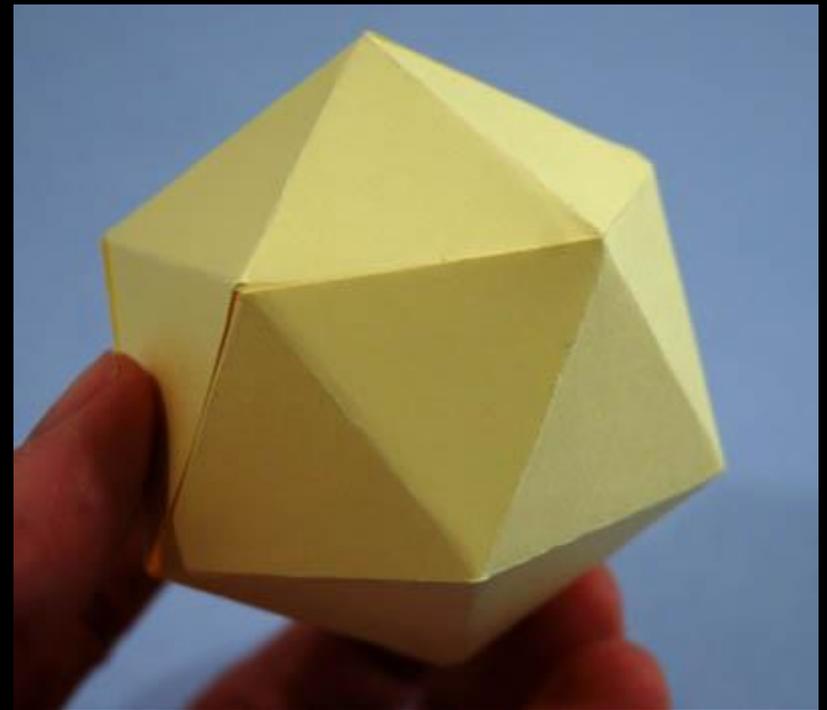
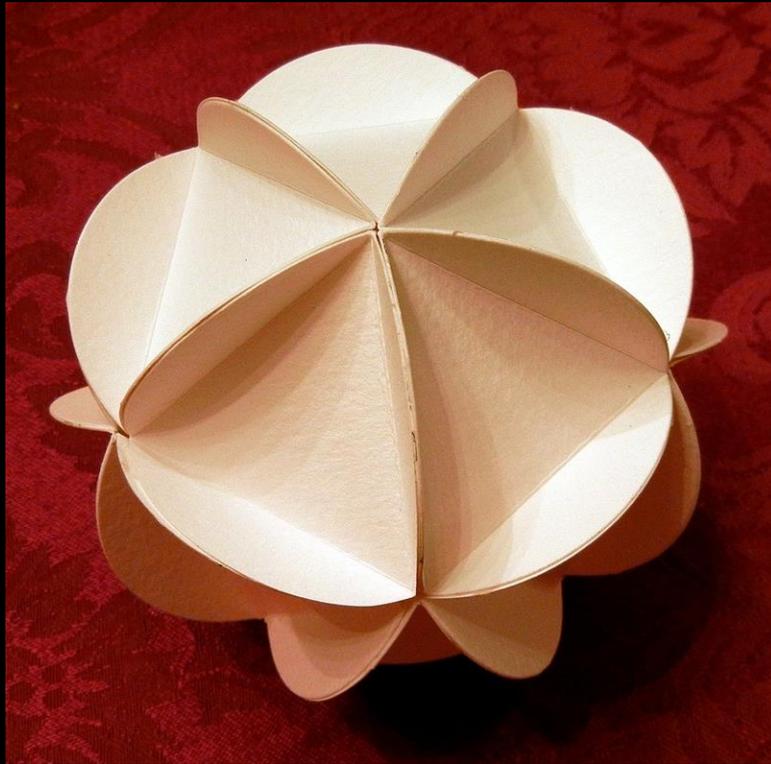




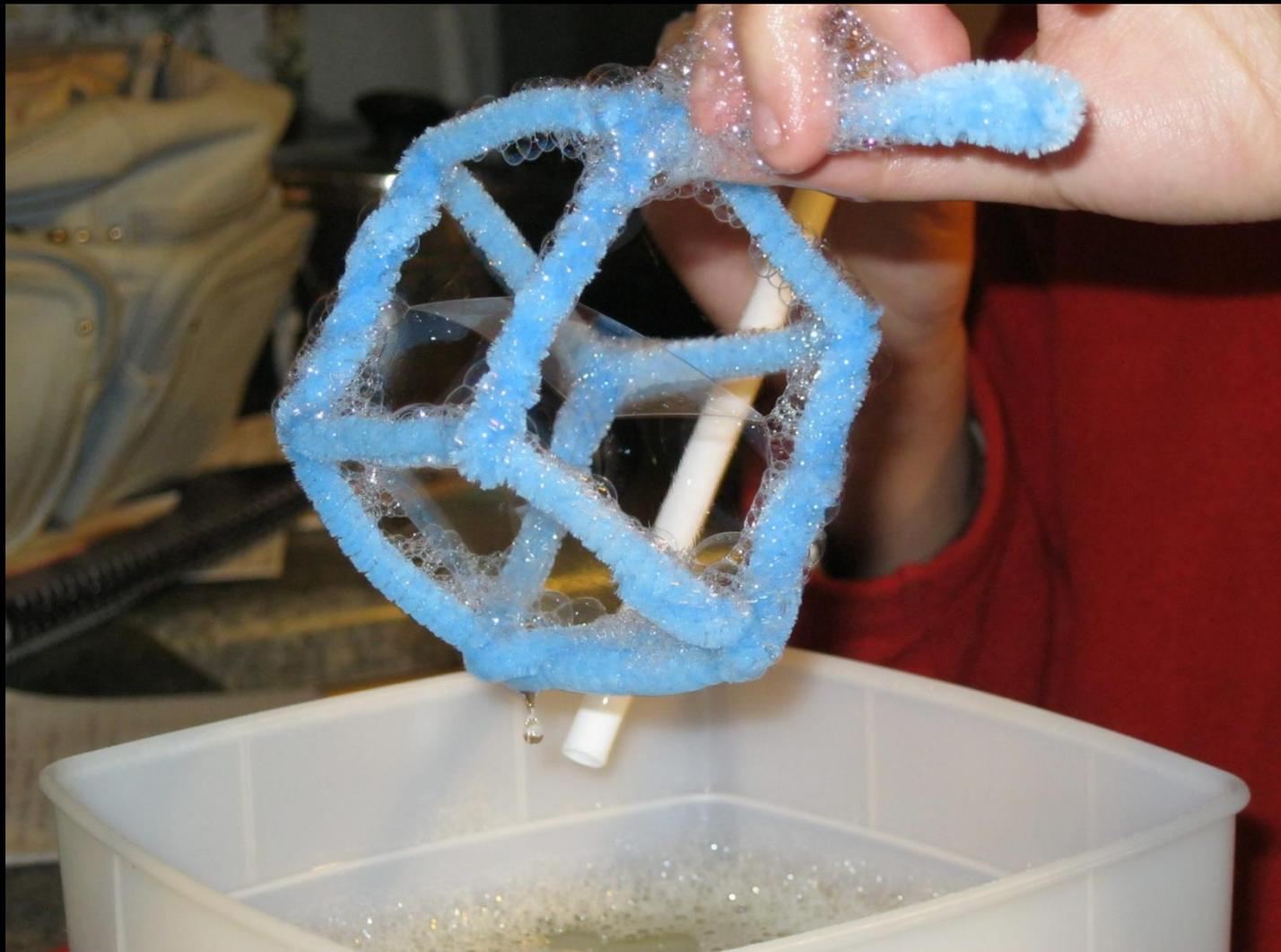
Platonic solids



Platonic Solids



Platonic Solids



Flexagons



- In geometry, **flexagons** are flat models, usually constructed by folding strips of paper, that can be *flexed* or folded in certain ways to reveal faces besides the two that were originally on the back and front.

Flexagons



Hexa-Tetraflexagon



YOU KNOW, I DON'T THINK MATH IS A SCIENCE. I THINK IT'S A RELIGION.

A RELIGION?



YEAH. ALL THESE EQUATIONS ARE LIKE MIRACLES. YOU TAKE TWO NUMBERS AND WHEN YOU ADD THEM, THEY MAGICALLY BECOME ONE *NEW* NUMBER! NO ONE CAN SAY HOW IT HAPPENS. YOU EITHER BELIEVE IT OR YOU DON'T.

© 1987 Walden Books Distributed by Universal Uclick, Inc.



THIS WHOLE BOOK IS FULL OF THINGS THAT HAVE TO BE ACCEPTED ON FAITH! IT'S A RELIGION!



AND IN THE PUBLIC SCHOOLS NO LESS. CALL A LAWYER.

AS A MATH ATHEIST, I SHOULD BE EXCUSED FROM THIS.

