



# A Historical Timeline of Math, Science, and Technology

# **KATHERINE HANNON**

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Space will not allow mentioning all the resources consulted in putting this together. However, a few seem extra worth pointing out due to their value with various concepts. A big thanks also to Joy Dubbs, Christina Loop, Brian Loop, Donna Burke, and Adam Hannon for their help in reviewing this project.

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## READ

panel-by-panel at your own pace or look up specific concepts to supplement topics you are already studying. It's an exciting, easy-to-read visual presentation of math, science, and technology from the beginning of God's creation to the modern day!

### EXPLORE

 $\rightarrow \diamond \diamond$ 

diverse applications of math throughout history in shaping pivotal technologies. Deepen your comprehension of God's world and the mathematical precision that explains it.

### DISCOVER

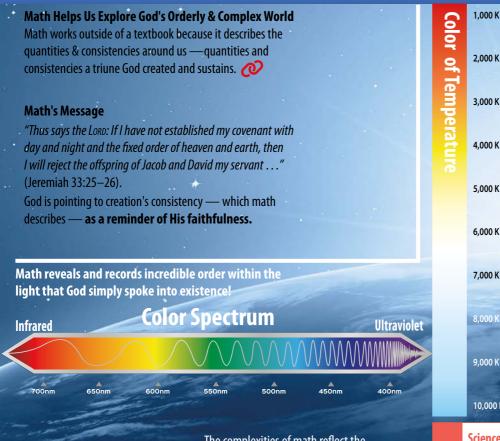
how math impacts your everyday life, from the simple to the complex, from your computer to music, and more with this 15-foot chart that can be used for math, history, or science.

LEARN

about mathematicians and scientists how they have used the consistency of God's creation to make new discoveries and challenges that persist to this day!

D D D D

### ► 4004 B.C.



The complexities of math reflect the complexities of creation — which was originally perfect. These complexities in turn point us to the greatness and infinitude of the Creator.

_,	onsistent creation.
3,000 K	0+0=0
4,000 K	
5,000 K	eveals Evidence of the Fall ⊘
6,000 K	
7,000 K	
8,000 K	Example: Describing the magnitude
9,000 K	of an earthquake. $E=10^{11.8+1.4}$
10,000 K	
Science & Technology	Key Worldview Ideas are
Mathematicians & Scientists	marked with a key. <i>P</i> Make the most of this
World Events	timeline using your Guide! Items with a 🕐 have

Addition describes how objects add in

*Instruments and bronze & iron made* 

more details in the Guide.

5M

4004 B.C.• Days 1–6

Man rebelled; death & suffering enter world God created the heavens & the earth

Noah

**Math Happenings** 

Cain built a city

4004 B.C.•Time began Day 6

#### God gives units of time (day, week, etc.).

#### **Origin of Timekeeping**

God is the One who set up night and day, seasons, and years in how He created the earth to rotate on its axis and to orbit around the sun. Ever since then, men have worked to develop timekeeping devices that correspond with what God set up.

The Bible uses numbers to order the days of creation (Genesis 1); God established our 7-day week.

> Tubal-cain was "the forger of all instruments of bronze and iron" (Genesis 4:22); this technology would likely have involved some math, such as measuring. 🕖

The genealogies in the Bible help us date key events in history with simple addition! Adam Seth Enosh Mahalale Jared Enoch Methuselah Kenan Lamech

4

5

We can also use math to figure out who knew whom. Adam lived 930 years. We can see from what we calculated earlier that he wasn't alive for Noah's birth, as that came 1,056 years after creation (which was the start of Adam's life). If we subtract 182 (Lamech's age at Noah's birth) from that, we get 874 for Lamech's birth, which is less than 930. That means Adam was still alive when Lamech was born but died before

Biblical dates are taken from James Ussher's The Annals of the World. Dates for events B.C. are mainly approximate. See the "General Notes" section in the Guide for more details

12

6

Cain built a city (Genesis

forming straight lines, calculating supplies

needed, and more.

4:17). Building a city requires

measuring, designing buildings

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**Genealogy Math** 

Noah's birth at 1,056 years after creation.

Ø

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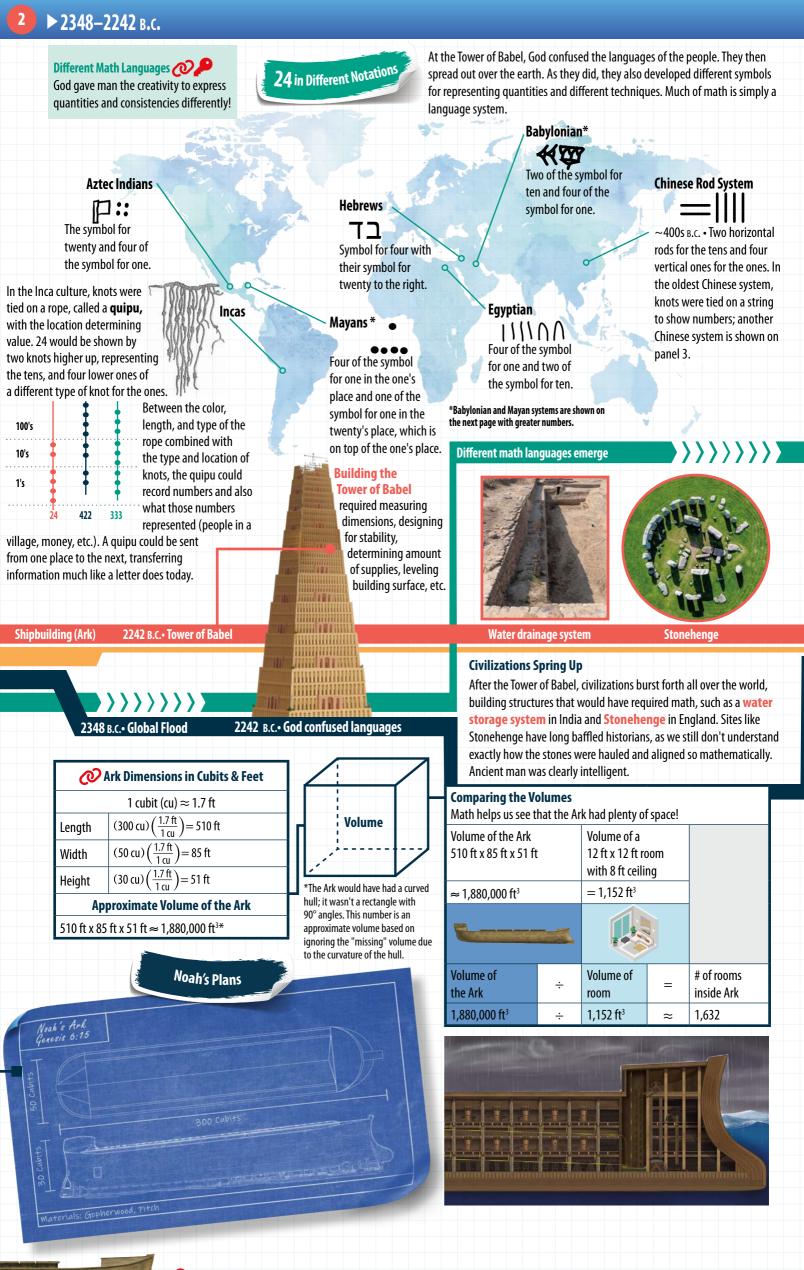
O Adam named the animals (Genesis 2:18-20), which involved

looking at God's creation and describing it. That's exactly what we do in math! 1" names a quantity.

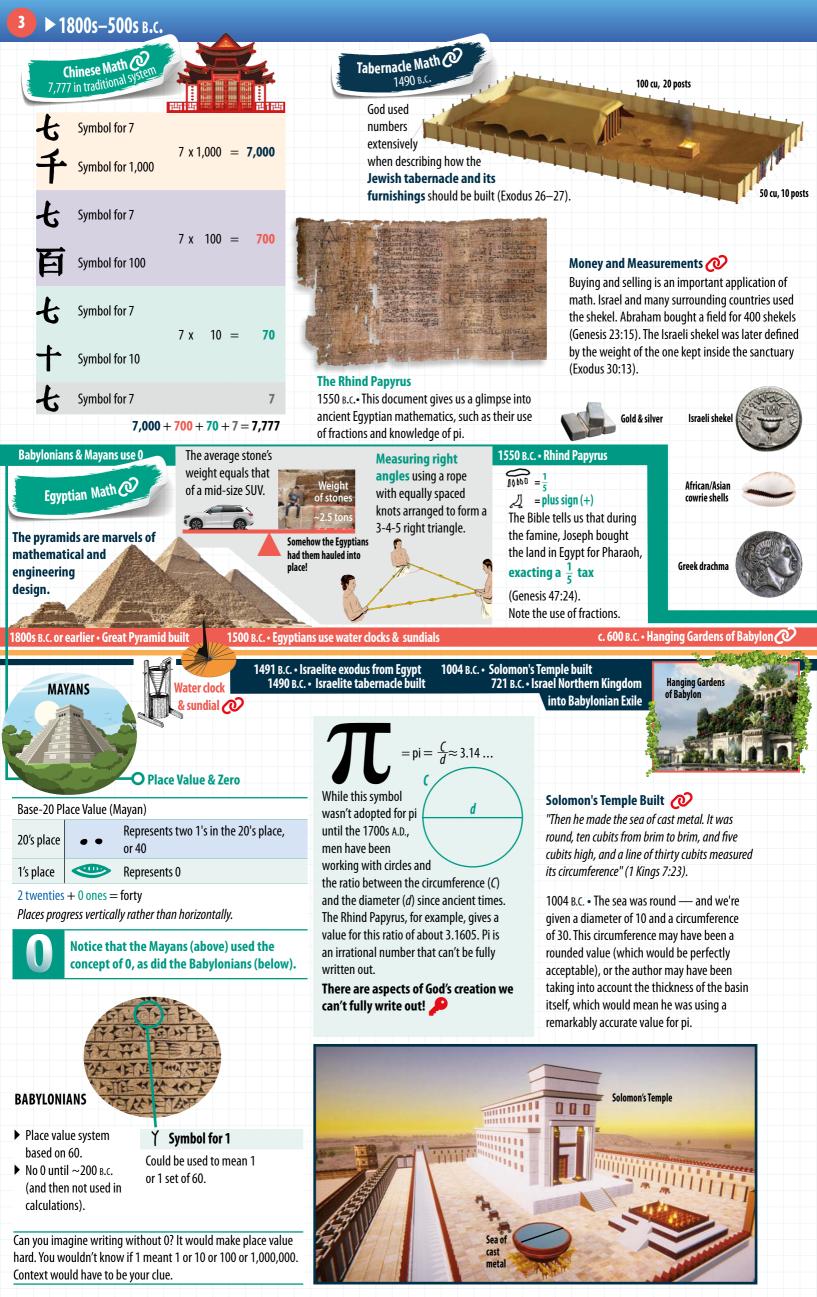
### Jubal "was the father of all those who play the lyre and pipe" 🙋 (Genesis 4:21). Length of strings and location of holes determine sounds.

Time from creation to Noah's birth = 130+105+90+70+65+162+65+187+182 = 1,056 yrs Noah's age at Flood's start = 600 yrs Time from creation to Flood = 1,056 + 600 = 1,656 yrs

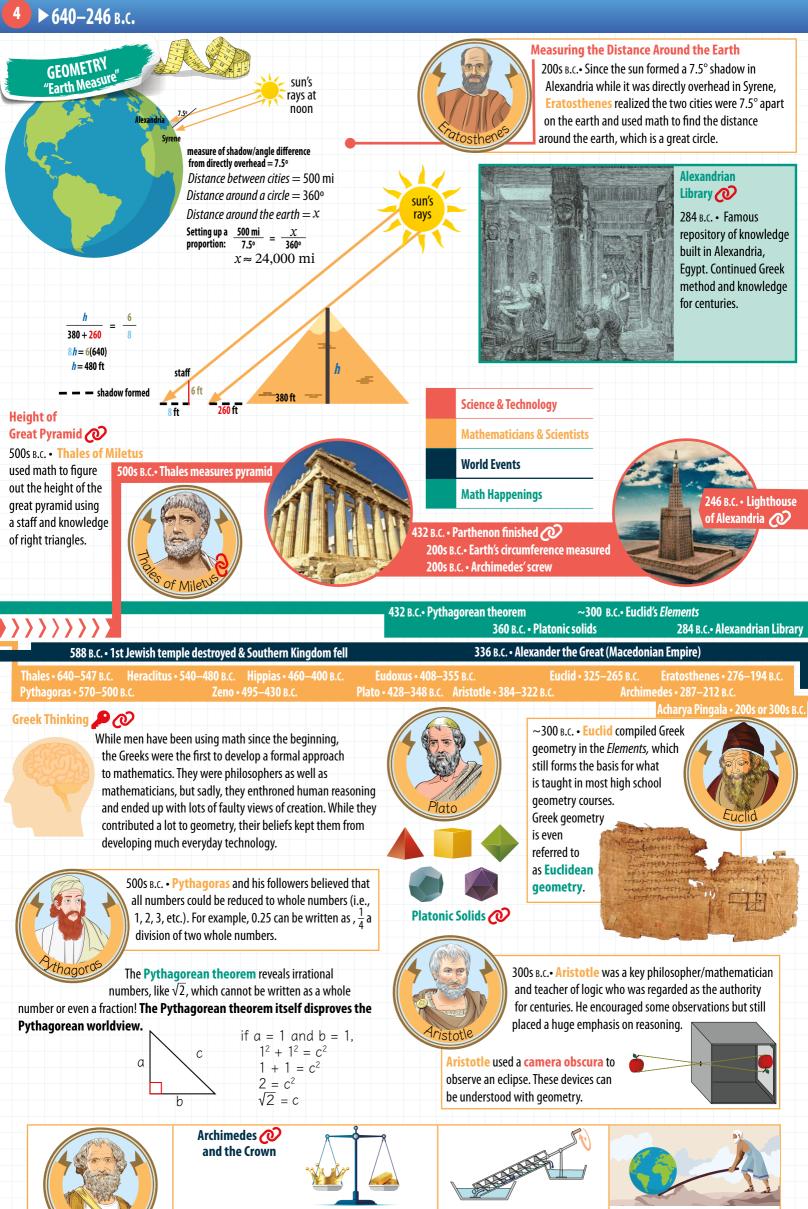
God gave Noah specific measurements to build the Ark (Genesis 6:15). Noah would have also had to use math for building materials, cages, waste systems, food supplies, etc.



Math can help us dig deeper and better understand sizes listed in the Bible.



Other creationists have slightly different dates from Ussher for the Exodus (1446 B.C.), the building of the tabernacle (1441 B.C.) and Solomon's Temple (967 or 966 B.C.).



Archimedes • 200s B.C.

Archimedes, who studied in Alexandria, was able to figure out if a supposedly gold crown had silver mixed in, using what he knew about the volumes of gold and silver.

Archimedes' screw (origin may have been earlier).

Archimedes explored levers and is purported as saying, "Give me a place to stand and with a lever I will move the whole world."<sup>1</sup>