

Name _____

Study Guide

Sumerians and Babylonians (Middle East)

First use of wheeled vehicles (around 2500 BC)

Man's Greatest invention?

Gave us Base 60 numbering system used for _____

Ziggurat construction

Arch forms

Corbeled or False Arch

True Arch

Egyptians

Great Builders – Why?

Factors that contributed to this:

Pyramid Age (300 - 2200 BC)

Khufu - Great Pyramid (2900 BC)

It took _____ Men a total of _____ Years 2,250,000 blocks - 206 courses

1.5 tons per block

Amount of labor done in "Man Years" - _____ years = _____ man years/block
2,250,000 blocks

Irrigation Projects

Temples

Post and Lintel construction

Greeks (3000BC to 338 BC) Peaks at 600 BC

Birth of Geometry

Pythagoras

Plato

Euclid

Archimedes

Screw

Block and Tackle

Density

Heron of Alexandria

1st Steam Engine

Temple Door opener

Siphons (turned water into wine)

Coin operated *Holy Water Dispenser*

Simple Pulleys

Parthenon (447-432 BC) Athens