

# Scale and Proportion



# Scale





# The Hummingbirds

Robert Lostutter



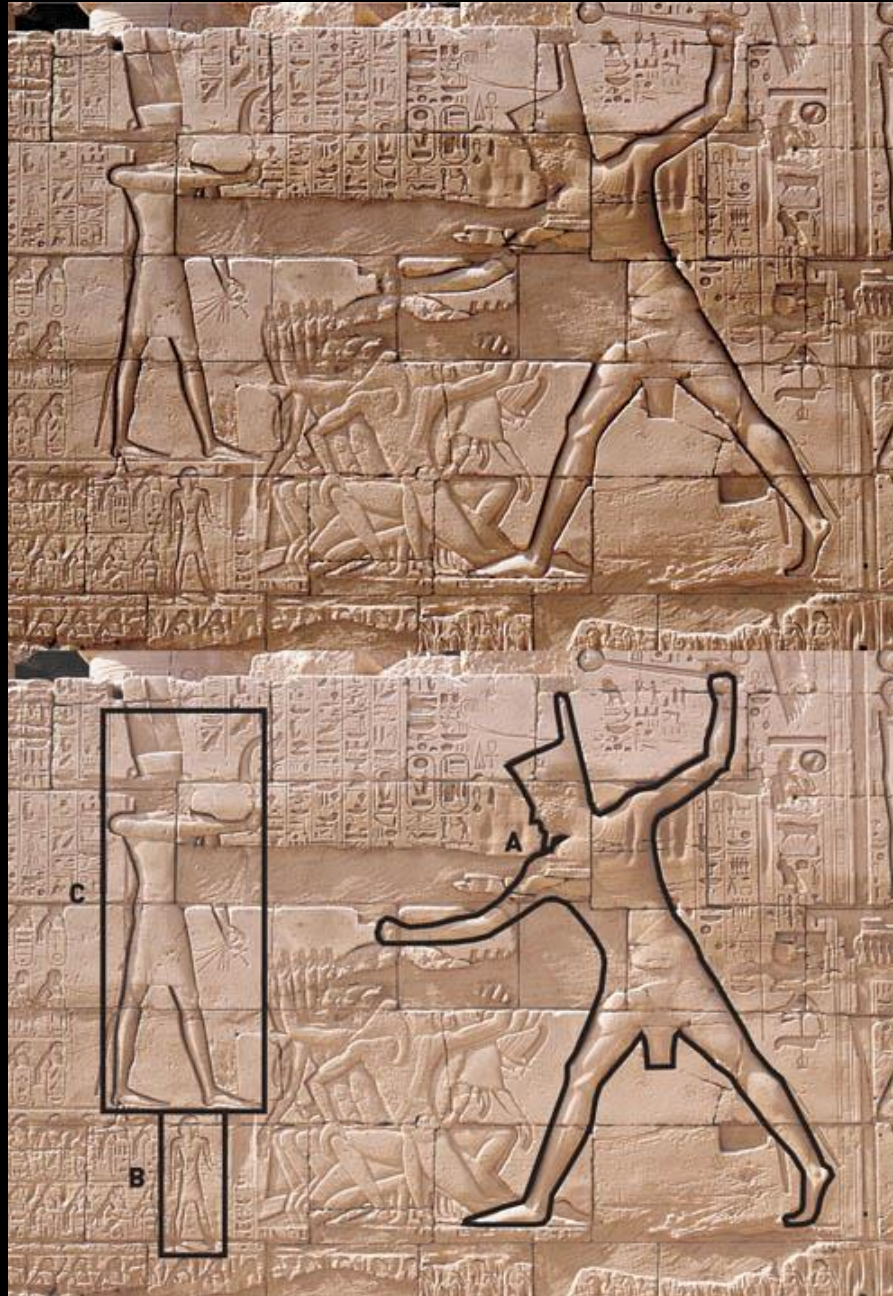


Relief from great temple of Amun





# Hierarchical scale: relief from great temple of Amun



# Madonna in a Church

Jan van Eyck



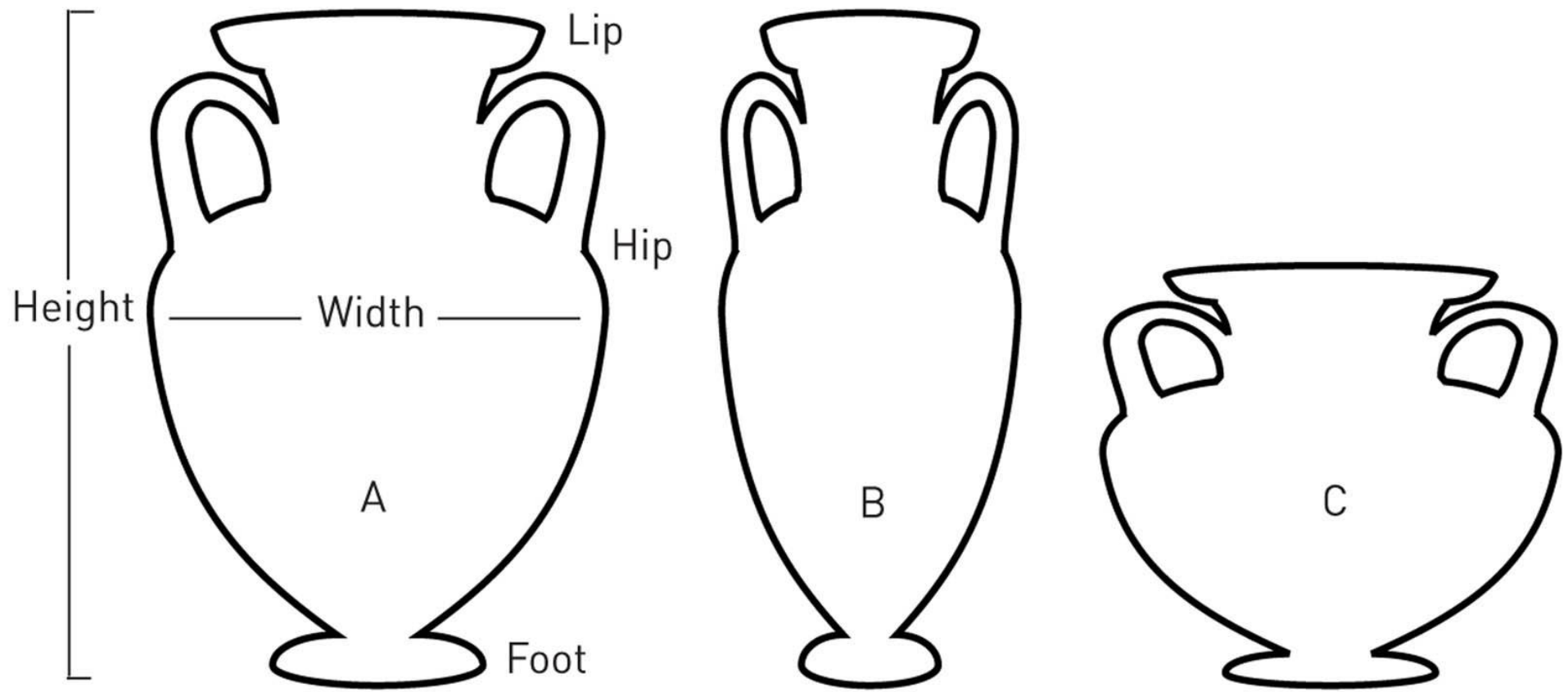




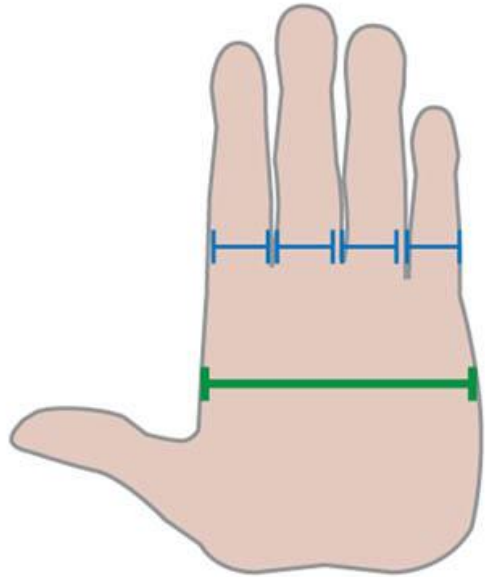


# Proportion

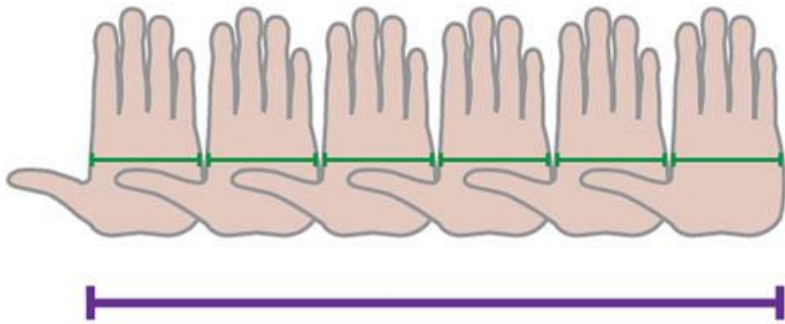




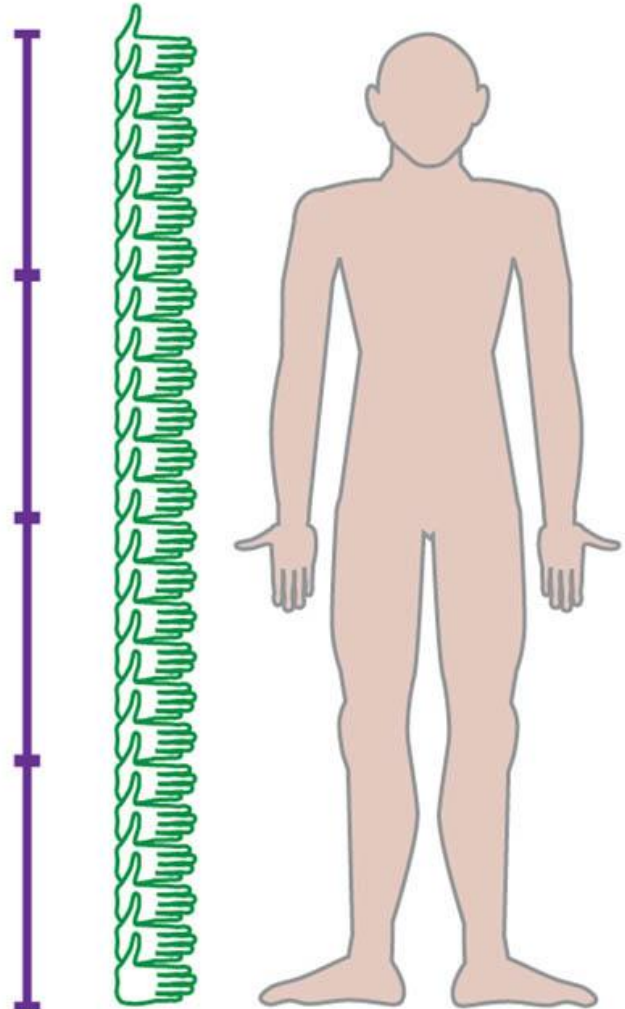




4 fingers = 1 palm



6 palms = 1 cubit



4 cubits = 1 man's height  
(24 palms)

Figure of Oni

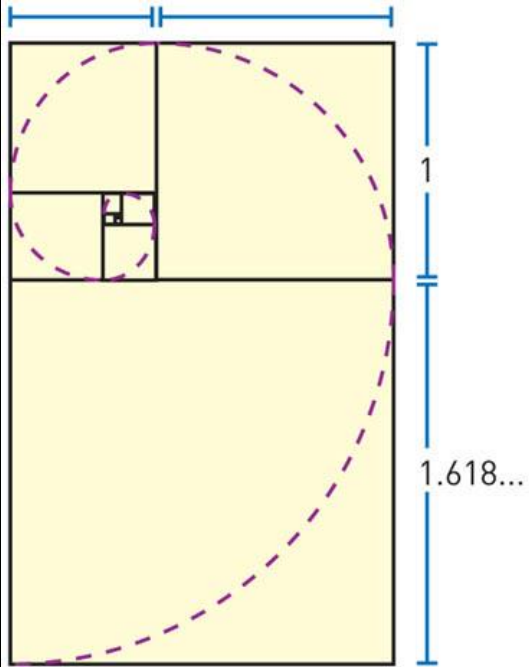
Nigerian Ife artist



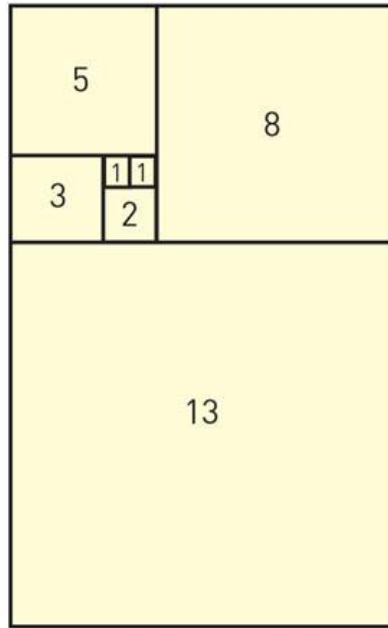




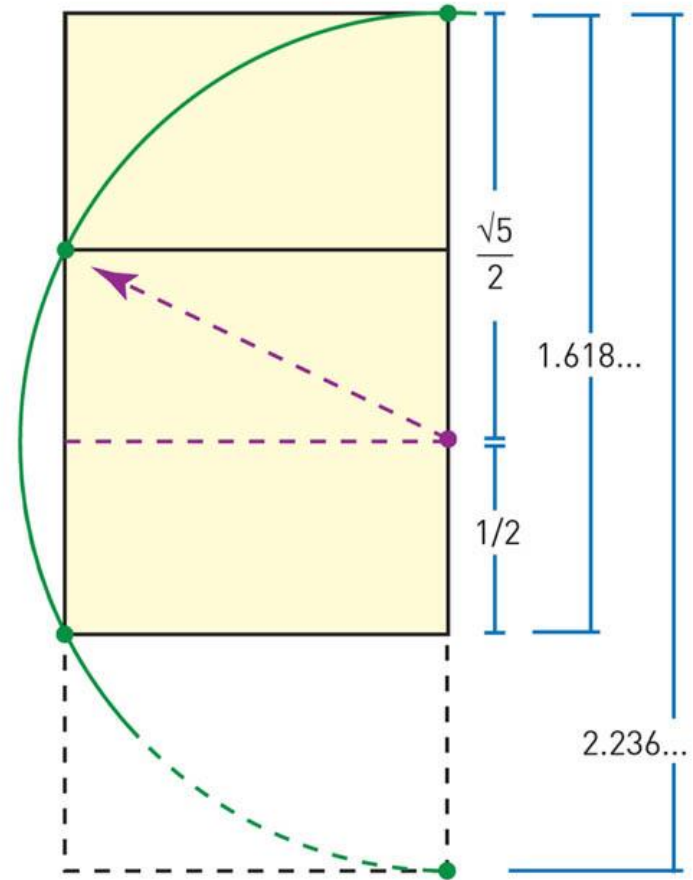
# The Golden Section



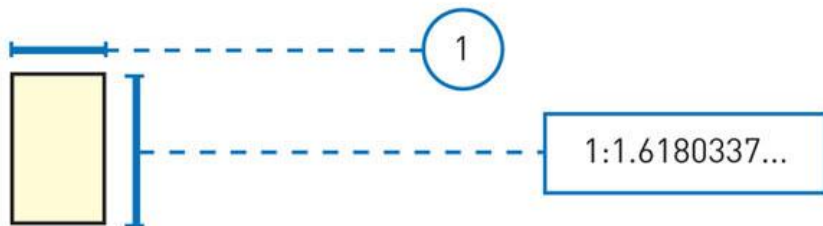
Golden Mean  
1:1.6180337...



Fibonacci Sequence  
1, 1, 2, 3, 5, 8, 13,...



Root 5 Rectangle





Poseidon (or Zeus)

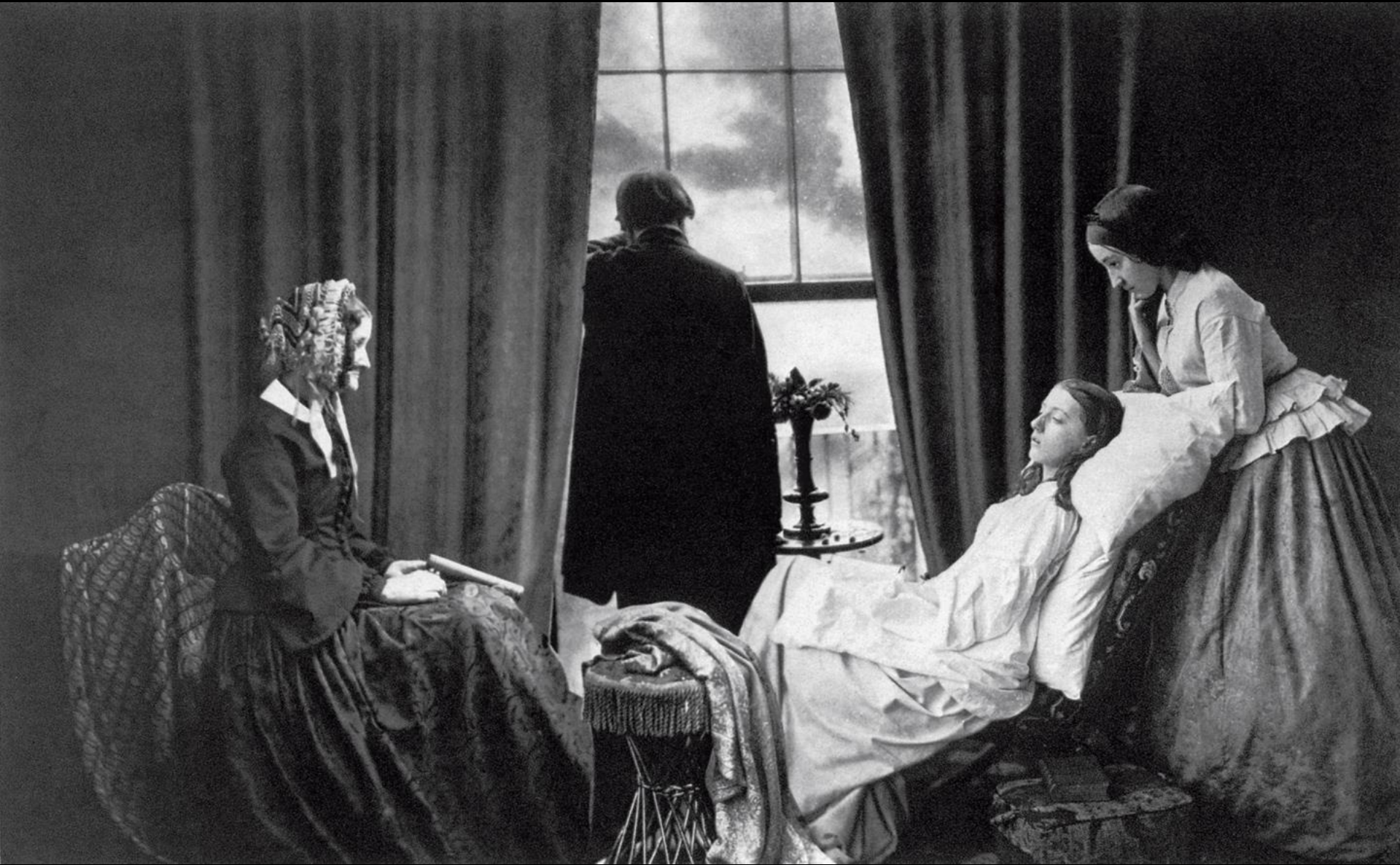






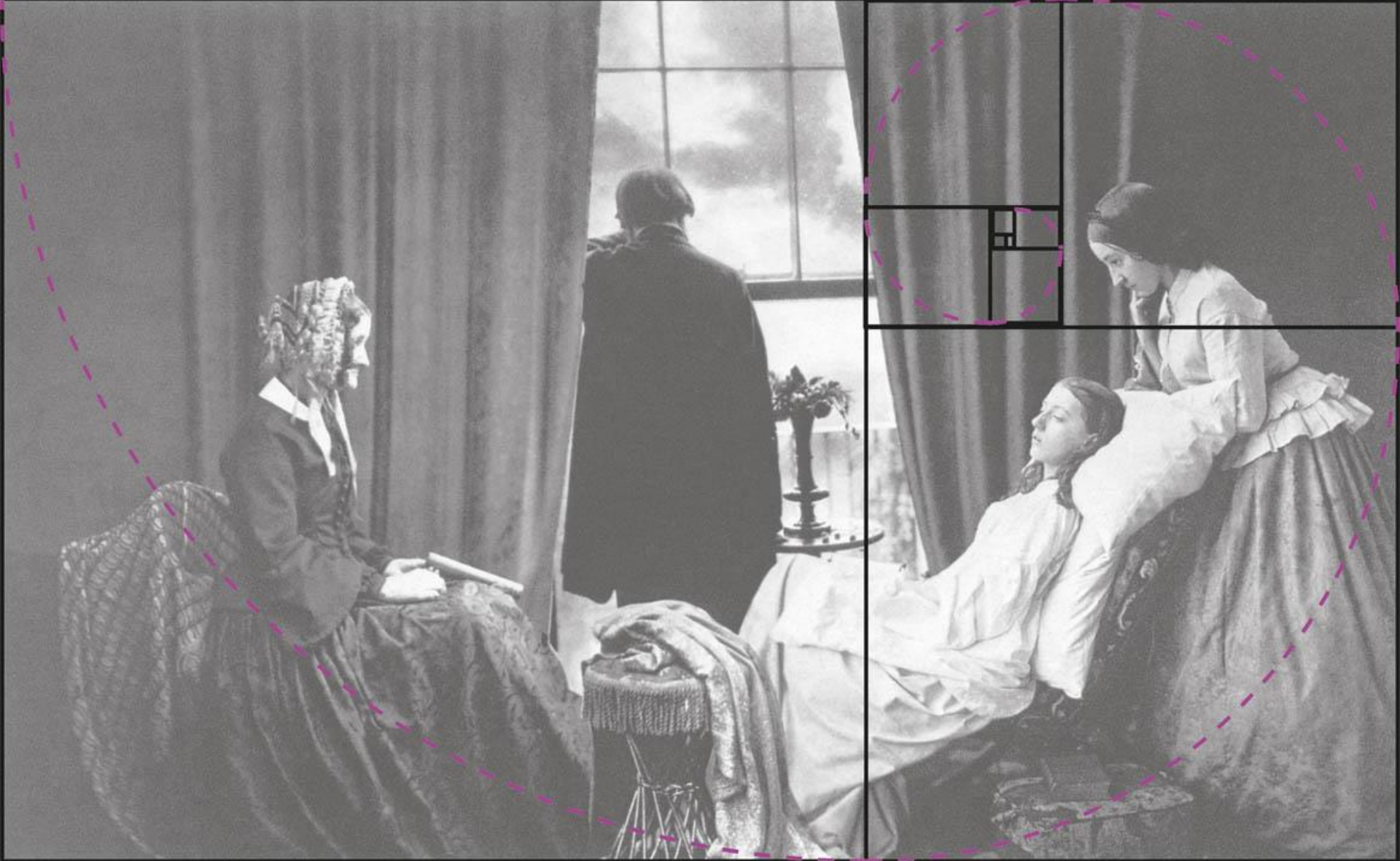
# Fading Away

Henry Peach Robinson



# Fading Away (Proportional Analysis)

Henry Peach Robinson



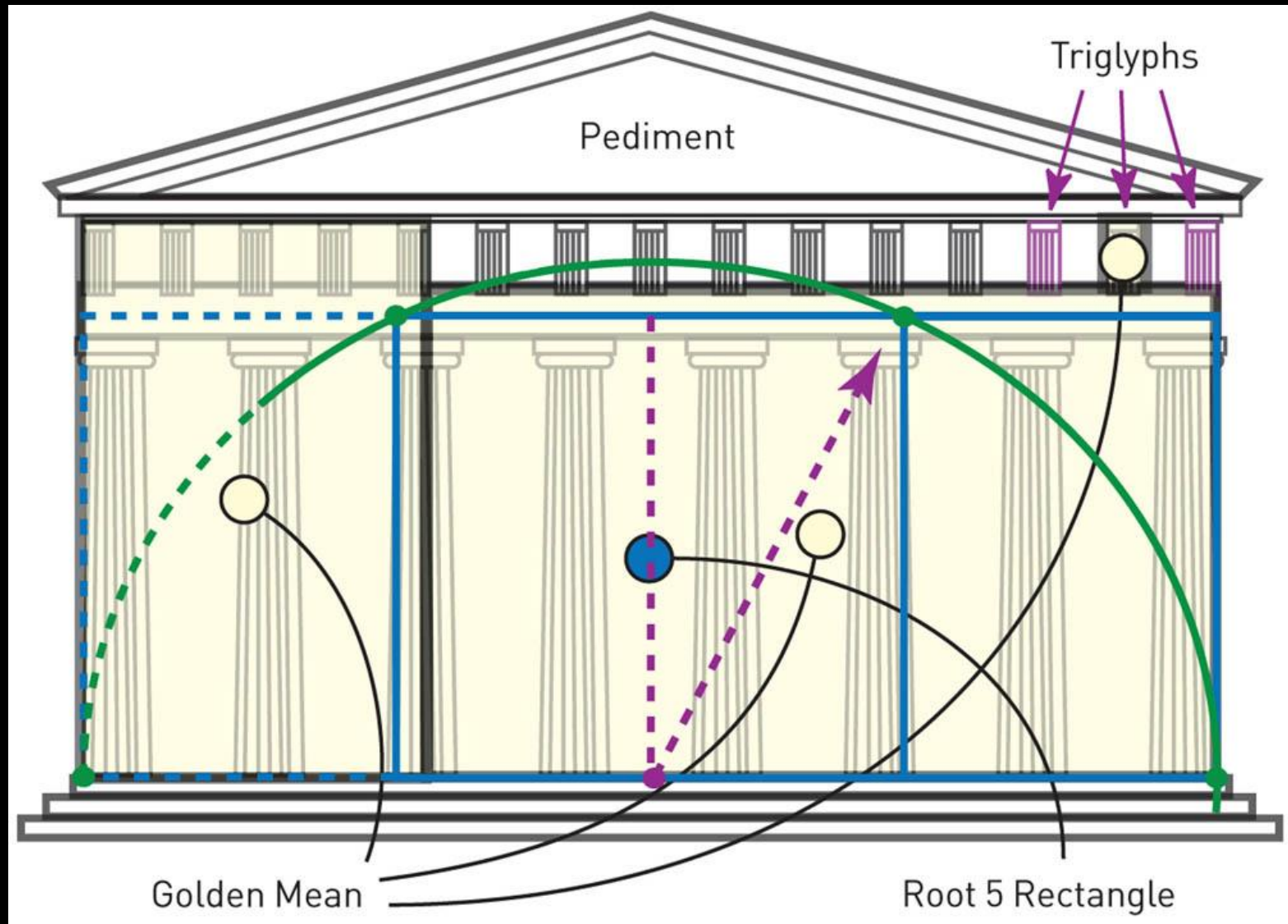


Parthenon

Iktinos and Kallikrates



# Use of Golden Section in design of the Parthenon





When a Yoruba sculptor created a human form, he or she made this body part disproportionately large:

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- b. hands
- c. head
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- e. none of these body parts

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- b. heroism
- c. bravery
- d. admiration
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- d. small scale
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- b. the building where philosophy was taught
- c. a Turkish bath
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- b. elephants
- c. whales
- d. insects
- e. microbes

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- d. section
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