

A world map is centered on the page, rendered in a dark brown color against a light brown, aged paper background. A faint grid of latitude and longitude lines is visible across the map. The map shows the continents of North America, South America, Europe, and Africa, with the Atlantic Ocean in the center.

# ERATOSTHENES

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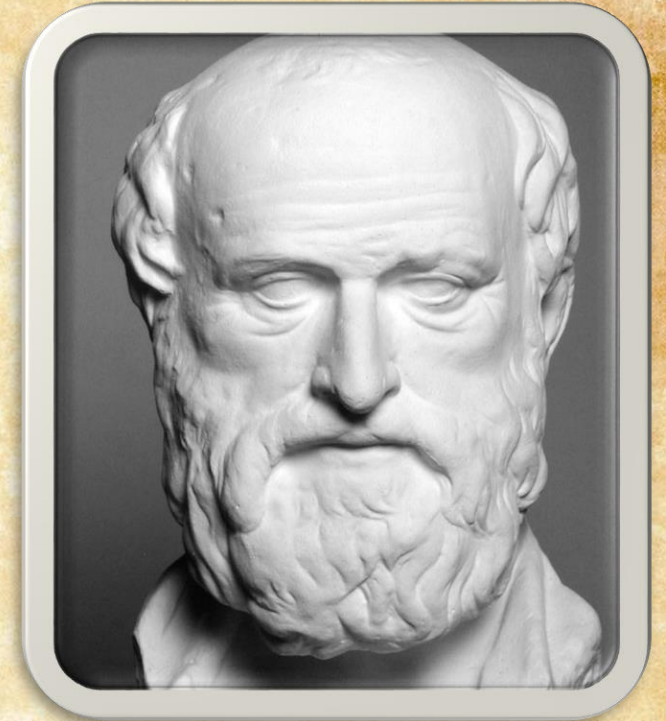




# Who was Eratosthenes?

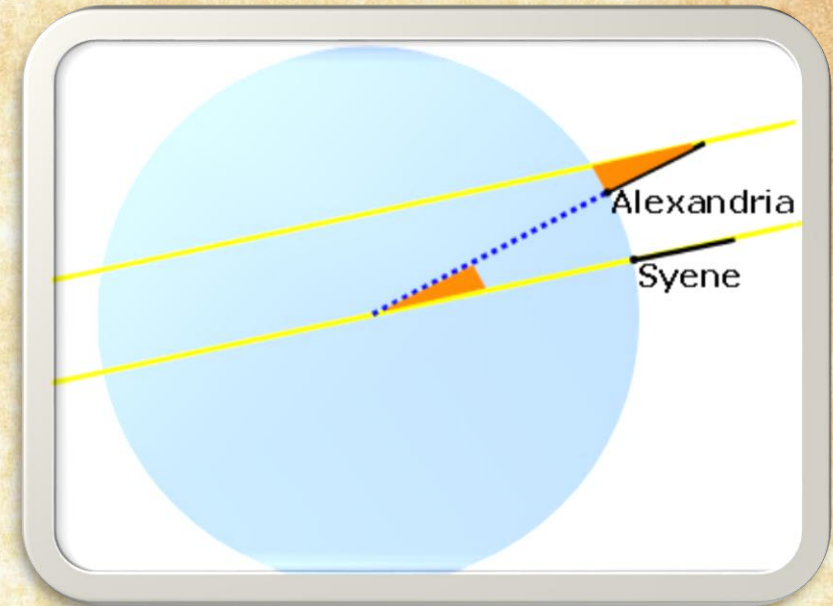
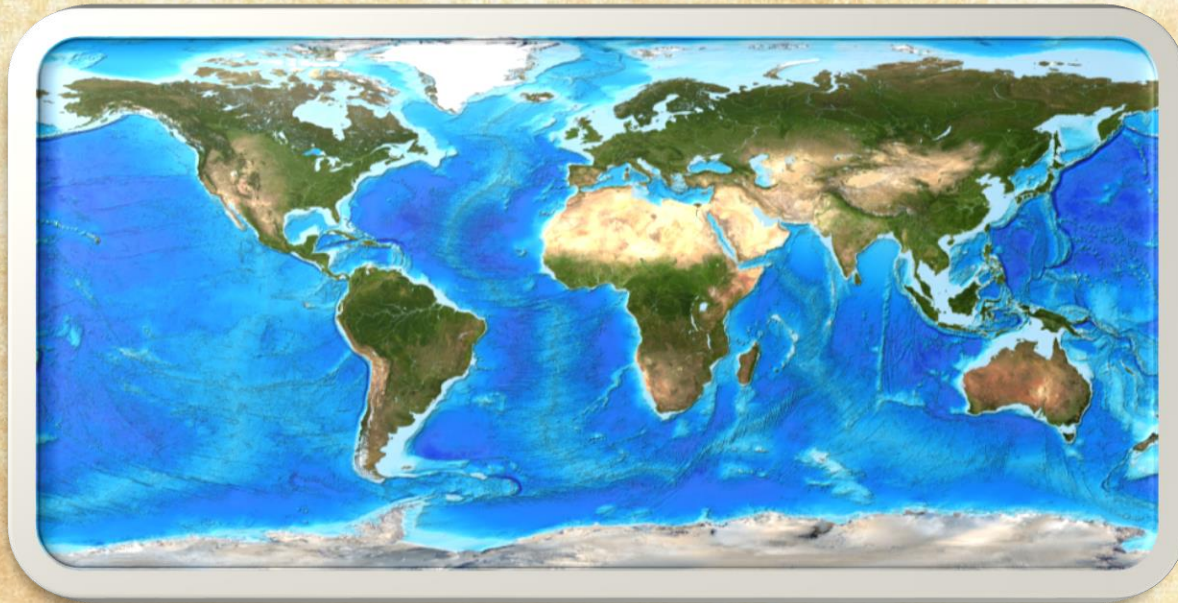


Birth: 276 BC  
Death: 195 BC



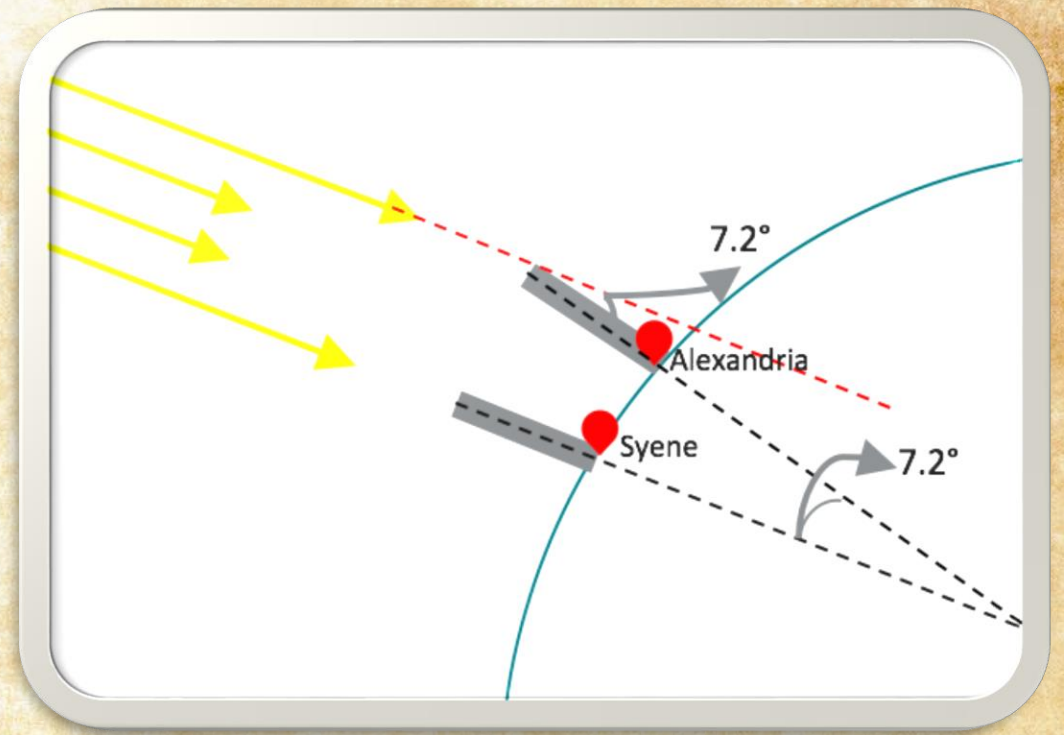
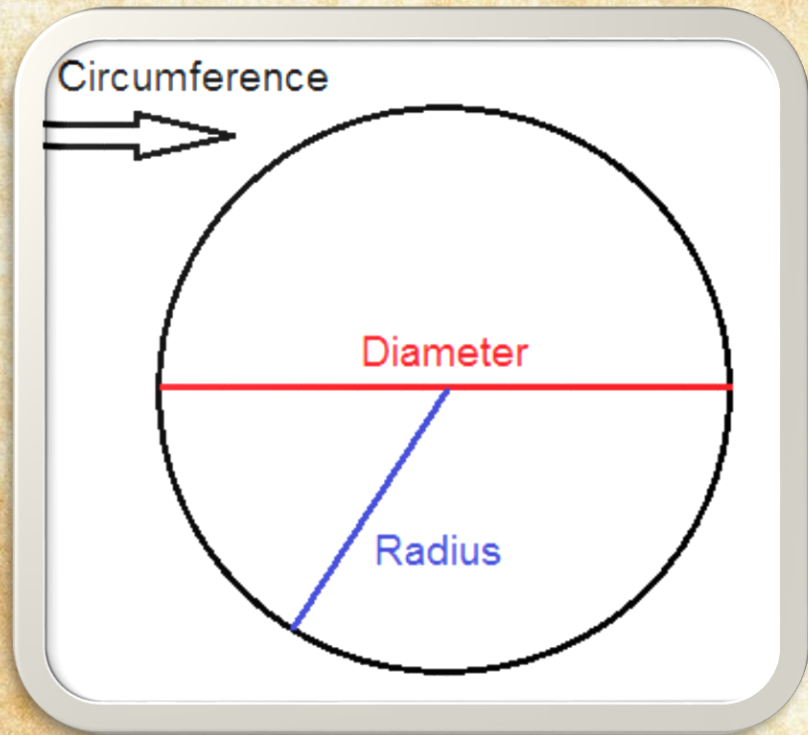


# What did he do?



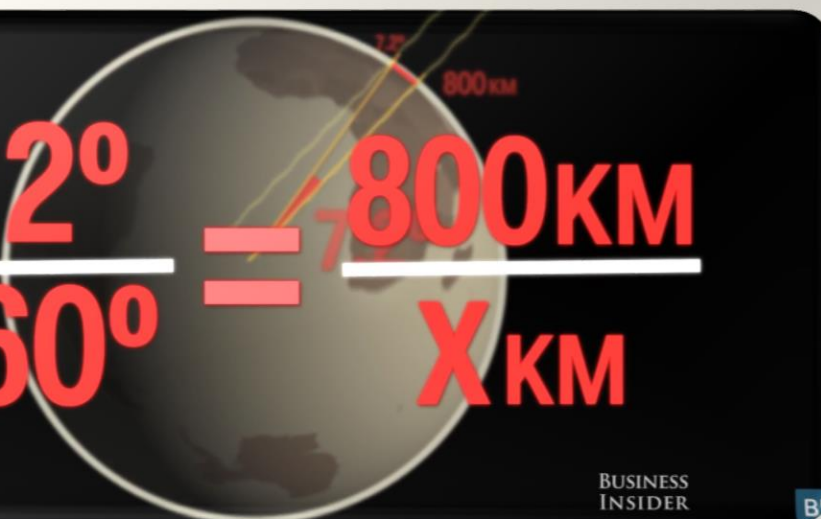


# How did he do it?



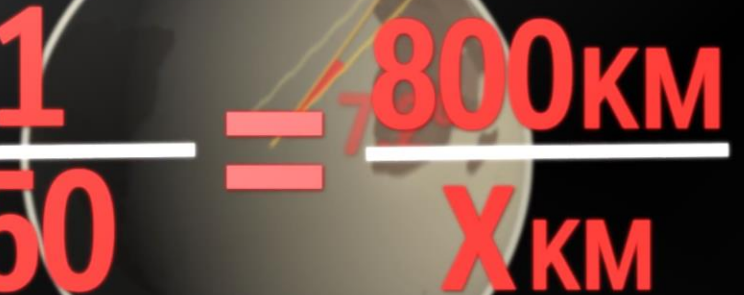


# Calculations



$$\frac{7.2^\circ}{360^\circ} = \frac{800 \text{ km}}{X \text{ km}}$$

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$$\frac{1}{50} = \frac{800 \text{ km}}{X \text{ km}}$$

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$$X \text{ km} = 50 \times 800$$

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$$40,000 \text{ km}$$

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# How did it motivate Ferdinand Magellan and his crew?

