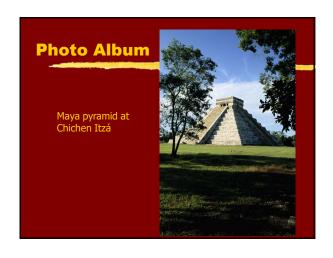
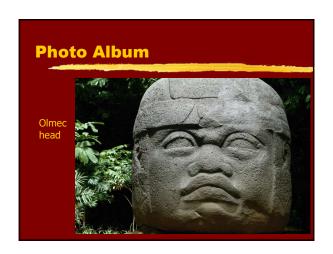






Mexico & Latin America Mexico is... More traditional. Less European. Strongly influenced by indigenous people. Characterized by "mestizd" culture. Relationship-based, polychronic, high-context culture is common to all of Latin America.



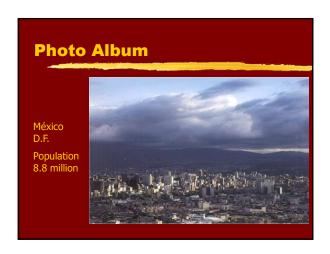






Teca papaqui; teca huehuetzcatica, tetennecuilhuitica in tlalticpac, amo tle nelli; auh amo nelli in quitoa, in quitenehua: zan tetennecuilhuitica. They mock the people on earth. They are happy at the mishaps of men; they make fun of the people on earth. Nothing is true. Nothing they express, nothing they say, nothing they reveal to the people is true: they are only deceiving the people.









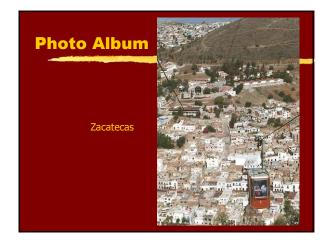
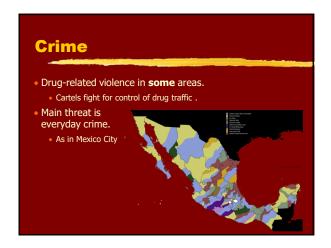




Photo Album Dia de los Muertos Oct 31-Nov 2

World's 11th largest economy (in PPP). Larger than Canada's. 2nd largest in Latin America, after Brazil.















Cultural Background

- High-context
 - Indirect communication historically increased safety.
 - Mexicans are good at reading body language.



Cultural Background

- High-context
 - Indirect communication historically increased safety.
 - Mexicans are good at reading body language.
- High power distance.



Cultural Background

- High uncertainty-avoidance
 - Legacy of Aztecs
 - Bureaucracy as ritual.
 - Western bureaucracy runs things.
 - Mexican bureaucracy provides sense of security.



Moctezuma

Cultural Background

- Strong religious belief
 - especially among lower classes and indigenous people.
 - Manages the stress of a tumultuous history.
 - Importance of symbol vs. image.



oatearar ac oaxae

Cultural Background



Our Lady of Guadalupe Appeared to Juan Diego, 1531 Example of synchretism



Cultural Background



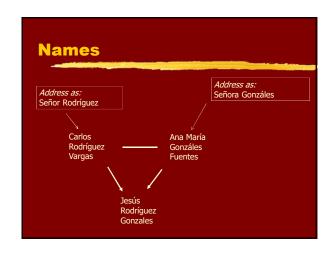
Pligrifflage to Basilica of Guadalupe, Mexico City

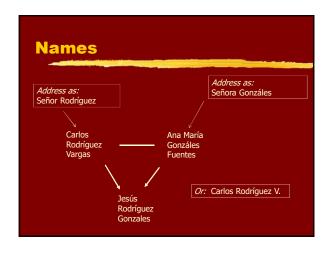


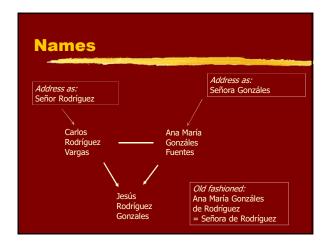


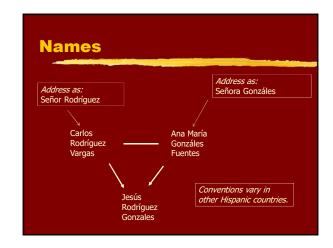




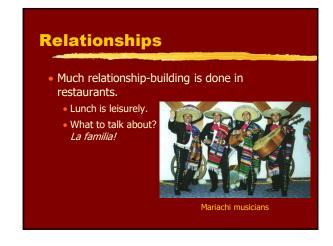


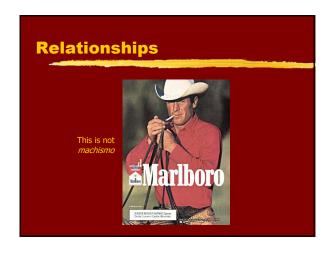






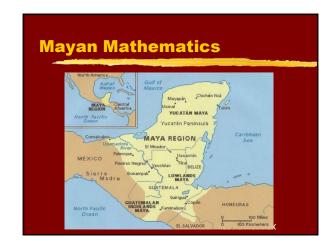


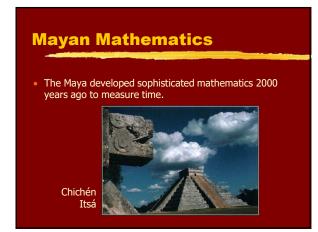


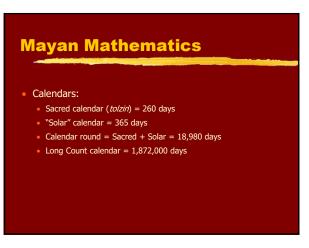


Machismo is important in Mexico Arab origins, but it has evolved Men can express emotion and ask for help. Machismo in upper class entails fine sense of honor and devotion to family. Machismo in lower class may entail violence. Machismo is a way that men in a traditionally violent society can take control of their lives.

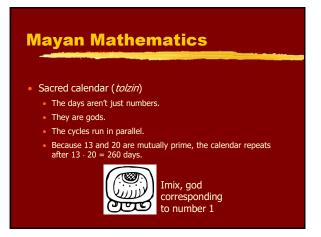










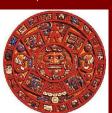


Mayan Mathematics

- "Solar" calendar (*haab*)
 - 20-day cycle, denoted by numerals (base 20 number system)
 - 18-day cycle, corresponding to 18 gods.

Mayan Mathematics

- "Solar" calendar (haab)
 - Calendar consists of 18 cycles of 20 = 360 days.
 - 5 residual days added at the end
 - Total of 365 days.



Mayan Mathematics

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 - Maya observed that 1507 solar years = 1508 cycles of the "solar" calendar.



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 - Compare with 365.2475 days in Gregorian calendar, developed 15 centuries later in Europe (0.0015% error).



Mayan Mathematics

- Calendar Round
 - Sacred calendar (260 days) + Solar calendar (365 days) run in parallel
 - Duration = least common multiple of 260 and 365 = 18,980 days (about 52 years)

Mayan Mathematics

- Time between two Calendar Round dates
 - The Maya solved this problem routinely.

Mayan Mathematics

- Time between two Calendar Round dates
 - The Maya solved this problem routinely.
 - This requires the Chinese Remainder Theorem, discovered in the West by Carl F. Gauss in 1801.
 - Discovered by Chinese in 13th century.
 - Maya knew the theorem 1200 years before the Chinese.

Mayan Mathematics

- Long Count calendar
 - Base 20 number system
 - 3rd position is base 18
 - Uses zero (also introduced by Jains in India about the same time)



Mayan

numerals

Mayan Mathematics

- Long count calendar:
 - Great Cycle is 13 *baktuns* = 13 · 18 · 20³ = 1,872,000 days (about 5125.36 years)

Mayan Mathematics

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 - Base 20 number system
 - 3rd position is base 18
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 - For example, date 9.0.19.2.4 =



Mayan Mathematics

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Mayan Mathematics

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 - Last day of previous Great Cycle was 21 Dec 2012 CE.



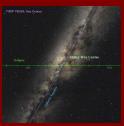
Mayan Mathematics

- Precession of the equinoxes
 - Earth's axis wobbles once about every 25,700 years.



Mayan Mathematics

- Precession of the equinoxes
 - The sun's path (ecliptic) crosses the equatorial plane of the Milky Way at about a 60° angle.



Mayan Mathematics

- Precession of the equinoxes
 - Due to precession, the sun aligned with the galactic equator at sunrise on the winter solstice in 2012, or thereabouts.
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Mayan Mathematics

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 - Hard to define observationally exactly what the galactic equator is.
 - 21 Dec 2012 was the winter solstice.
 - It is hypothesized that the Maya fixed the end of the Great Cycle to this date.
 - Maya were very interested in the Milky Way.

