

CCS.TL01: Timeline of History of Numbers

Grade 1: Recognize the role of symbols and visuals in communicating historical information

Focus Area: Understand how different cultures contributed to the way we write and use numbers today.

- **CCSS.ELA-LITERACY.RI.1.3:** Describe the connection between two individuals, events, ideas, or pieces of information in a text.

Students will:

- Identify how early humans used tally marks and objects to count
- Make connections between ancient tools and today's math systems
- Practice retelling events in numerical history using timeline images

Grade 2: Understand and sequence key developments in number systems

Focus Area: Trace the evolution of numerals across time and cultures using a visual timeline.

- **CCSS.ELA-LITERACY.RI.2.3:** Describe the connection between a series of historical events, scientific ideas, or concepts in a text.

Students will:

- Sequence historical developments in counting and numeration
- Describe how different civilizations created symbols for numbers
- Interpret visuals and written descriptions to explain numeric innovations

Grade 3: Analyze how numeral systems developed and influenced modern mathematics

Focus Area: Examine how cultural innovations in number representation influenced today's mathematical systems

- **CCSS.ELA-LITERACY.RI.3.3:** Describe the relationship between a series of historical events, scientific ideas, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.

Students will:

- Investigate counting systems from the Babylonians, Romans, Mayans, and others
- Use sequencing words (first, then, next) to explain numeric history
- Compare early numeric forms to today's base-ten system and symbols.