



Family Math Night[®] Home Edition

Welcome to Family Math Night Home Edition!
We have 4 super fun activities planned for your event.

Most of the information you need for each of the activities will be described on the video (link below). Listed on the following pages are the materials/supplies needed.

The video link will take you to our **Family Math at Home** page where you can access the PDFs.

Note: Tips for those who do not have access to a printer will be addressed in the video.

Link to Video:

<https://www.familymathnight.com/resources/mathathome.php>





Activity 4

Table Top Totem Pole

Materials Needed

Beginning Level (K-1)

Intermediate Level (2-3)

Advanced Level (4-5)

- 8.5" x 11" paper (larger paper works well, too)
- Colored markers/pencils/crayons
- Inch ruler (see PDF if a ruler isn't available)
- Tape (clear is best but masking tape will work, too)
- Table Top Table Tent (PDF)
- Table Top Totem Pole Critical Thinking Questions (PDF)
- Cardboard strips 1/2" x 3"
- Totem Pole Table Tent (original version), optional* (PDF)
- Colored construction paper, optional*
- Poster board, optional*
- Tape measure, optional*
- White glue, optional*
- Glue sticks*
- Scissors, optional*

***OPTIONAL** – For those of you who have access to these items, you may be able to do the actual version of this project. Here is the link to the video version of the lesson plan. Keep in mind that this lesson plan was written for a school-type setting so make the necessary adjustments.

https://youtu.be/ZnD_R6eOZyM

Please watch the video for directions and to get access to the PDFs
Note: The video will give tips for those who do not have access to a printer.

Link to video:

<https://www.familymathnight.com/resources/mathathome.php>

Directions

Beginning Level (K-1)

See Table Top Totem Pole Table Tent PDF

Intermediate Level (2-3)

See Table Top Totem Pole Table Tent PDF

Advanced Level (4-5)

See Table Top Totem Pole Table Tent PDF

Background Information

A totem pole is a sculpture carved out of poles made from trees. They were created by the indigenous peoples of northwestern United States, British Columbia, Canada, and Alaska.

The word 'totem' means his kinship group. Totem poles were not religious symbols. Instead, they were used to communicate important aspects of native culture such as historical events, family legends or simply to commemorate special people. The carvings were often figures such as humans, animals, or mythological creatures. All characters and symbols held special meaning to the particular clan or family.

Different kinds of totem poles were created for different purposes. For example, memorial poles commemorated the life of a particular person, burial poles honored the dead, shame poles were made to make someone feel bad about something they had done that was bad. There were also welcome totem poles and totem poles of the wealthy that depicted family crests.

Useful Vocabulary

cylinder : a solid geometric figure with straight parallel sides and a circular or oval cross section

cylindrical : having the form of a cylinder

lines of symmetry : if you fold on the line of symmetry both halves are congruent

mirror symmetry : a figure in which exactly one line can divide it into two identical (congruent) halves if folded along the line; also called bilateral symmetry, lateral symmetry and reflection symmetry

parallelogram : a quadrilateral with two sets of parallel sides

quadrilateral : a closed plane figure made up of exactly four line segments

rectangle : a parallelogram with four right angles

rhombus : a closed plane figure made up of exactly four congruent line segments with two sets of parallel sides

square : a parallelogram with 90° angles and all sides the same length

totem pole : a sculpture made up of symbols or figures to communicate stories or events

trapezoid : a quadrilateral with one set of parallel sides

triangle : a polygon made up of exactly three line segments