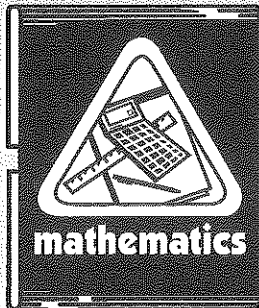


Cub Scout Academics: Mathematics



REQUIREMENTS

Tiger Cubs, Cub Scouts, and Webelos Scouts may complete requirements in a family, den, pack, school, or community environment. Tiger Cubs must work with their parents or adult partners. Parents and partners do not earn loops or pins.

Belt Loop

Complete these three requirements:

- _____ 1. Do five activities within your home or school that require the use of mathematics. Explain to your den how you used everyday math.
- _____ 2. Keep track of the money you earn and spend for three weeks.
- _____ 3. Measure five items using both metric and nonmetric measures. Find out about the history of the metric system of measurement.

Academics Pin

Earn the Mathematics belt loop and complete one requirement from each of the five areas below:

I. *Geometry* is related to measurement but also deals with objects and positions in space.

- _____ 1. Many objects can be recognized by their distinctive shapes: a tree, a piece of broccoli, a violin. Collect 12 items that can be recognized, classified, and labeled by their distinctive shape or outline.

- _____ 2. Select a single shape or figure. Observe the world around you for at least a week and keep a record of where you see this shape or figure and how it is used.
- _____ 3. Study geometry in architecture by exploring your neighborhood or community. Look at different types of buildings—houses, places of worship, businesses, etc.—and create a presentation (a set of photographs, a collage of pictures from newspapers and magazines, a model) that you can share with your den or pack to show what you have seen and learned about shapes in architecture.

II. *Calculating* is adding, subtracting, multiplying, and dividing numbers.

- _____ 1. Learn how an abacus or slide rule works and teach it to a friend or to your den or pack.
- _____ 2. Go shopping with your parent or adult partner and use a calculator to add up how much the items you buy will cost. See whether your total equals the total at check out.