



Math and Science Camp News

Day 1

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Math and Science Campers Tessellate!

By Bob Beideck

This morning in math, campers did activities involving problem solving, patterns, and tessellations.

After exploring tessellations and finding out that circles don't tessellate but squares do, the campers got to play with rhombi, squares, hexagon, narrow diamonds, trapezoids, and triangles to build their own tessellations.

The campers then designed and traced their design onto paper for their T-shirts which they will make tomorrow. Some designs were extremely complicated and others were just simple but good looking.

Later after creating their own tessellations, campers played with squares exploring the relationship between area and perimeter for

rectangles. They discovered that for an area of 24 the largest perimeter was the 1 by 24. This was discovery was made by the use of 24 small squares.

The campers also investigated scaling which involves enlarging a model learning that a 1:2 scale means that the model is one-half size.



Nick works on his T-shirt pattern.



Aryan does tessellations

Campers build balloons

In the science portion of camp, the campers started by talking about what constitutes science. They then discussed safety before moving on to their main project for the day: building their hot-air balloons.

Each of the campers built their own balloon, but since it is somewhat difficult, they worked in teams of two.



Hillary cuts her patterns



Andrew and Charles lay out the pattern for their first balloon