

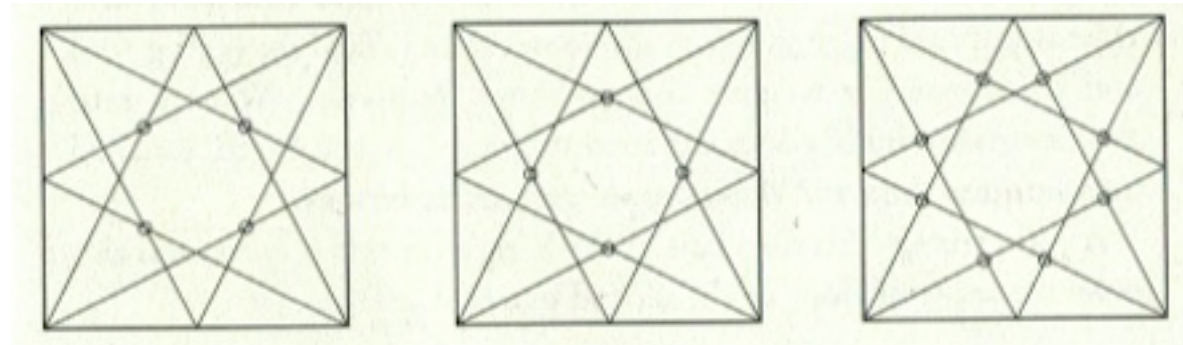
# Geometry Playtime: Sandreckoners

## Instructions:

Gather materials: graph paper, math tools, pencil and eraser.

## Directions:

1. Use graph paper and a RULER and a PENCIL to create a large square.
2. Draw 8 more lines in the square, running from the middles of the sides to the opposite corners. Use a RULER!



3. Now you have the basis of Sandreckoner's diagram, which allows you to divide the sides of the square into equal parts: 3 or 4 or 5 or 7 or 11. See if you can figure out how. Don't forget to use a RULER.
4. Once you've figured it out, hand in rough work and good work. Good work should consist of 5 separate Sandreckoner diagram squares, each showing one of the ways to divide the sides: into 3, into 4, into 5, into 7, and 11 equal parts. Use a RULER.

This is due next week: January 13th.

*Images and Info taken from: Sacred Geometry by Miranda Lundy  
Pages 16-17 are titled "The Canon: the numbers of the heavens and the earth". Sandreckoners is used to divide the edge of a square into 'canonical fractions'. This Geometry work fits with our World Religions and Peace Studies Humanities work.*