Composing shapes:

1. An interesting shape to compose other shapes out of is the isosceles right triangle. I found 13 different shapes that I could make using 4 isosceles right triangles. I counted two shapes as being different if I couldn’t match them up in such a way that they covered each other exactly.

Your task: try to make at least **8 different shapes** where **each is made of 4 isosceles right** triangles. **Fit the triangles together so that their sides match up**. If you’re using Microsoft Word, you can probably use the triangles on the this page and turn and position them to do this. If you’re not, you’ll probably need to cut them out of paper squares and take a picture of your shapes or something similar.

2. Show how to split circles and rectangles into equal halves, thirds and fourths (if you are doing this in Word, you can do this using Insert→Shapes and using it to draw line segments)

3. Find another shape (not a rectangle—not even a square rectangle—or a circle) that you can split into both fourths and thirds. Show how to do it. (You can use one of the shapes built into Word or draw your own).