



Mini Project: Your Own Story and Problems

Instructions

For this mini-project you are to do one of two possibilities.

Possibility 1: Make up your own story. Some guidance to help get you started is provided below.

Possibility 2: Make up three Greedy triangle problems. Again see below for some ideas.

A web site containing examples of stories and problems created by students at Oklahoma State University can be found at the following URL:

<http://www.math.okstate.edu/~rpsc/Lit/ML.html>

Your Own Story!

The following ideas are just to help get you started.

- If a fun story with some geometric content comes to you, then go with it. Write it out. Possibly develop some pictures to go with it.
- The shapeshifter from the original *Greedy Triangle* story and/or his cousins the shapessplitter and the shapesshredder can provide some characters for you to develop or use for your own story. You can make up a new imaginary cousin.
- There is a relationship between the number of sides in a polygon and the angle sum of the polygon. Johnny likes stories about the shapesshifter and its cousins. Make up a story which might help Johnny make sense of this relationship.

Your Own Greedy Triangle Problem

The *Greedy Triangle* worksheet has seven examples of Greedy Triangle problems. Make up questions of your own to be added to the collection.