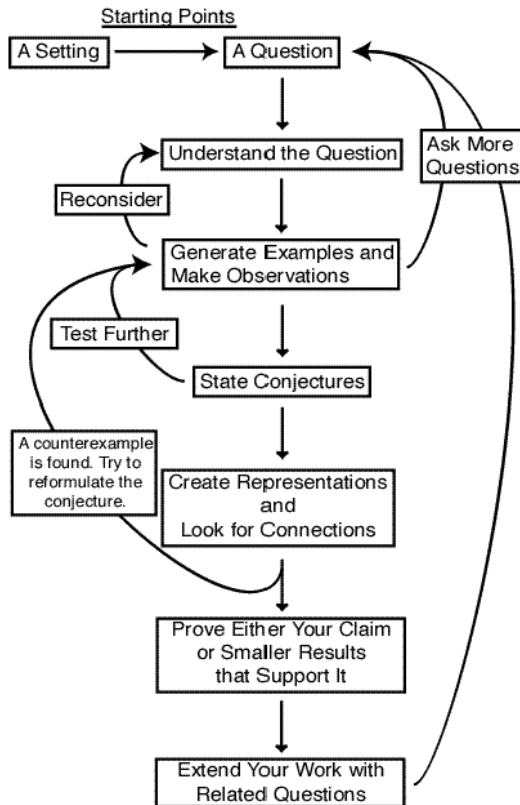


Doing Research in Mathematics

Pick five problems, at least three of which you might be interested in thinking about.

How can one modify the problem?

Is there data that can be explained by the problem?



How to find a problem ...

Explore the Internet (keywords?)

List topics

Describe in 1-2 sentences

Is it interesting? Why?

What kind of mathematics is needed?

Can one create or find data sets?

If proof based (or not), what are the assumptions, can they be relaxed, does the model fit the available data, can one approach problem from different point of view, can one describe using visual aids (graphs, pictures, simulations)

Can the problem be used as science fair project?