

Problem Solving Directions

You will be working on a semester long problem solving experience. There will be between 3 and 5 experiences in all and each one will be about 10 days long. You are to spend at least 5 days working on this problem for at least 15 minutes for each of the days you work on it. This is not about answer getting but about learning what it means to problem solve.

Directions

1. Record all of your work in your problem solving journal. This includes:
 - a. all of your work (don't erase your work),
 - b. brief justifications next to your work as to why you took the steps/approach you did, and/or
 - c. brief notes next to your work about your ideas and thinking.
2. If you finish the problem, you must extend the problem and parts a, b, and c in #2.
3. Complete the reflection for the problem before the deadline provided.
4. Turn in your journal to your instructor

[Put problem here]

Introduction

Part 1

First, draw a picture of a mathematician. Then, write a paragraph describing what a mathematician does and what it means to be a mathematician.

Part 2

Watch the 10 problem solving videos and identify the two you like the best. Be ready to explain why you like those two the best.

<https://www.maa.org/math-competitions/teachers/curriculum-inspirations>

(make a google Form for this)

Student Problem Solving Video Reflection

https://docs.google.com/forms/d/e/1FAIpQLSdJYL7rcd1bjCORRm_n7o6zsK8KJ2-Zuy3-oKxt0cTOPFvx1Q/viewform