Powers

Math

Per. 7

Tues. 9/4/18

**In Class:**

Problem Solving Process

1. Problem Statement (What is the problem?)
   1. What would it cost to fill a pool with Jell-O?
2. Process (what steps did we follow? - including missteps)
   1. How big is the pool? – the volume of the pool (length x width x depth): **40 ft X 20 ft X 10 ft = 8,000 cubic feet**
   2. How much does Jell-O cost? **? $1.48**
   3. How much Jell-O is in a single package? **make 4 cups.**
   4. How many cups in a cubic foot? **160 cups per cubic foot**
   5. **How many cups do we need? 1,280,000 (8,000X160)**
   6. **How many boxes do we need? 320,000 (1,280,000/4)**
   7. **How much would that cost? $473,600 (320,000 X $1.48)**
3. Solution (Check against the problem statement)
   1. **$473,600**
4. Evaluation (What did I do well? What could I do better?)
   1. asking questions, persisting, communicating, etc
5. Extension (Create a similar problem)
   1. Smaller pool? Buy In bulk? Fill pool with sand?

Problem Statement:

What would it cost to fill a pool with Jell-O?

Process:

Generate questions.

Generate answers.

Generate new questions.

Repeat