

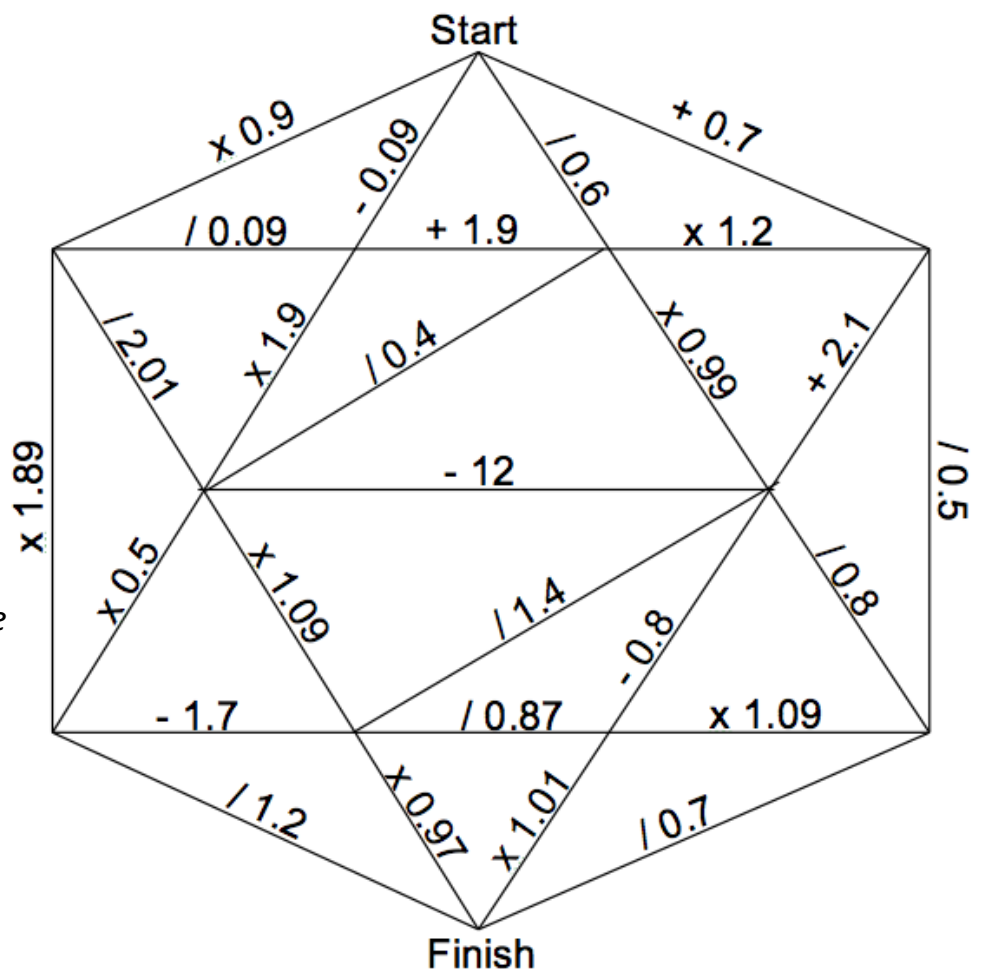
Reasoning and Sense Making Tasks: More Than Just Interesting Activities

Jason Slowbe

jason.slowbe@smusd.org

San Diego, CA

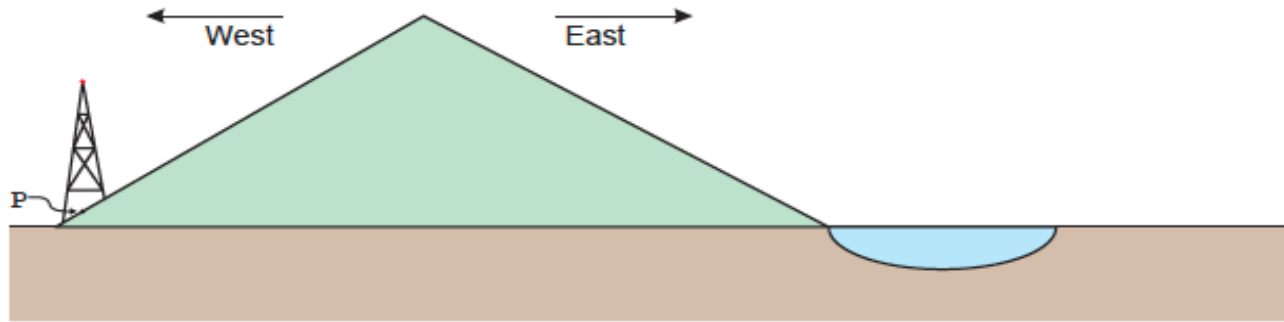
- Begin with a value of 100.
- Move down or sideways from **Start** to **Finish**.
- As you cross a segment, perform the indicated operation.
- You may not go up. You may not cross a segment more than once.
- *What is the largest possible value when you reach **Finish**?*



Over the Hill – Activity Sheet

Name _____

A cell phone tower will be built somewhere on the left side of the hill. Find the lowest point on the hillside above which the tower can be based and still provide a signal to anyone on the other side of the lake.



(Not drawn to scale)

Fig. 1

- 1) Which pieces of information are needed to solve the problem? What information is not important to know?

- 2) Thinking algebraically or geometrically, how can you mathematize this problem?

Name _____

1) What do you...

Notice	Wonder

2) Focus Question:

3) What information do we...

Know	Want to Know

4) What is your strategy for solving this problem?

5) Issues and other questions:

What have we learned today?

- 1) Involve students in _____ decision-making opportunities to promote _____ .
- 2) Avoid implementing a _____ RSM task _____ .
- 3) 5 Practices: 1: _____, 2: Monitor 3: Select 4: Sequence 5: Connect
- 4) Instructional strategies: _____ _____, and Multiple representations
- 5) What do you _____ ? What do you _____ ?

Decimal Maze

Maximize

$$\underline{\quad} + (\underline{\quad} - 2 \cdot \underline{\quad})^2 + \underline{\quad} \cdot \underline{\quad}$$