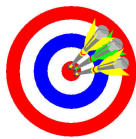


Using Rates of Change to Create a Graphical Model (2.4)

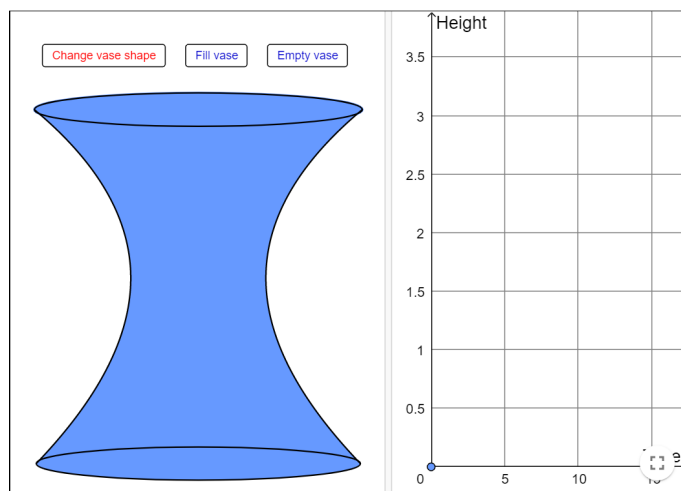
Math Learning Target:



"I can represent descriptions of rates of change using graphs. I can interpret rates of change and other properties from graphs that I am given. I can apply what I have learned in familiar and unfamiliar settings."

Activity 1 Filling a vase

Click, read and follow the instructions: <https://www.geogebra.org/m/lmfrMzGo>
Also, sketch the Height vs. Time relation below.
Next, create several vases, and predict the relation.



Activity 2 Distance vs. Time and Speed vs. Time

Click, read and follow the instructions: <https://www.geogebra.org/m/x6acdckq>

Examples

Now read and study Examples 3 and 4 from pages 98 to 101.

MathSIP! Page 103 #1, 2*, 3 to 9**, 10, 11, 14.

* in #2, the answer in the back has a small error. Do you know what it is?

** the answer for #9 in the back has some mistakes.