Student Activity Guide

By Shannon Bishop and Trey Cox

**Watch Dan Meyer Video Clip: 25 Billionth App **

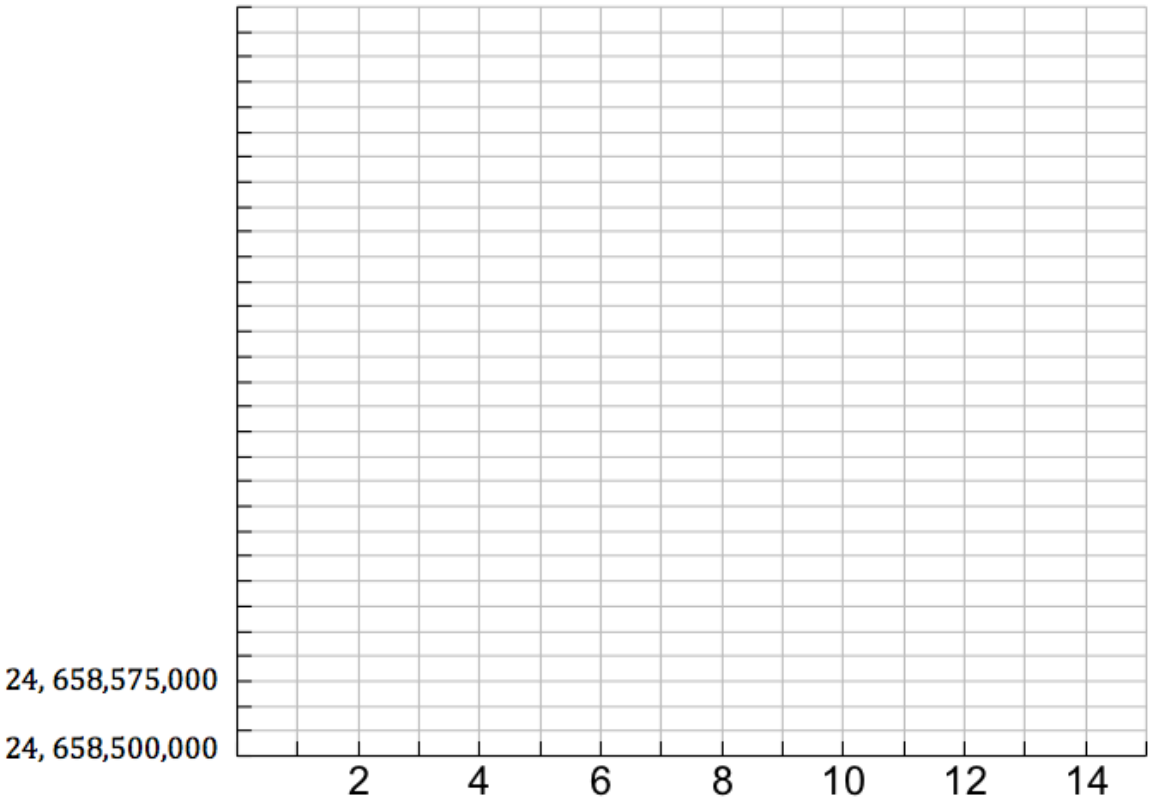
1) When should we start bombing the app store in order to try and win the $10,000 prize?
    a. Write down an estimated time in terms of days/hours/minutes/etc. that you know to be too low (soon). How are you confident it's too soon?

    b. Write down an estimated time in terms of days/hours/minutes/etc. that you know to be too high (late). How are you confident it's too late?

2) What information would be useful to know here in order to help you solve this problem?

Ask, and you shall receive! (For the most part ;))

3) Use the data given to create a scatter plot for the situation. Make each unit on the dependent axis units of 25,000.



4) Describe your "plan" as to how you are going to answer the question "when should you start bombing the app store in order to be the 25,000,000,000th buyer?"

5) Execute your plan! Be ready to share with the class!!!!!

6) What assumptions have you made in your model/plan?

7) Interpret the units each step along the way in your solving process.

8) According to your model/plan, when did the app store sell its first app? Calculate the answer mathematically, then find the actual answer (google). If the answers are different, what could explain the difference?