

Determine the location where the fast buggy will overtake the slow buggy.

- Fast buggy starts at  $0$  cm, slow buggy starts at  $50$  cm.
  - Experiment/calculate, then call me over.
  - One chance to verify calculations.
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On whiteboard(s):

- Data
- Graphs
- Calculations
- Position of "overtaking"

Why do we graph information?

- Easily and clearly display results
  - Ease of comparison
  - See outliers
  - Visualize data
  - Make predictions
  - Identify trends (or lack of trends)
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After creating a graph, we look for:

- Functions of best fit  $\rightarrow$
- Intercepts slopes or  
changing slopes
- Outliers
- Area between the function and the x-axis