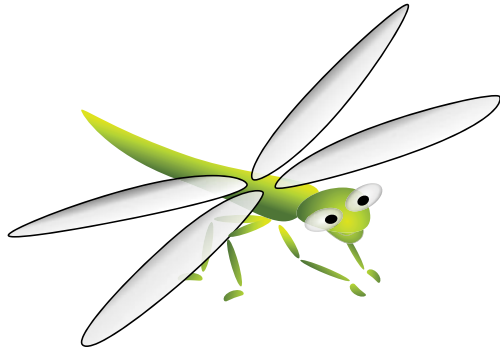


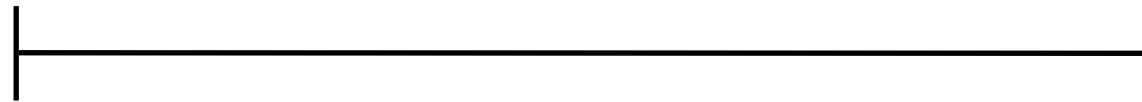
An Insect Race



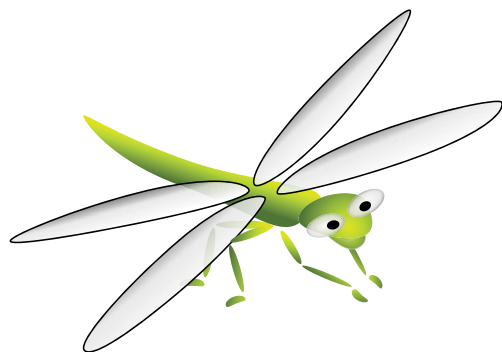
25 ft/sec



10 ft/sec



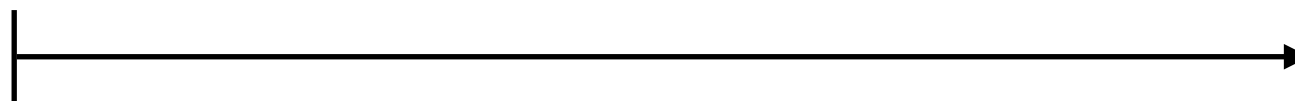
An Insect Race



25 ft/sec



10 ft/sec



On the Download - Video

Demo: 28 MB download

2 MB/s



mePhone

:10



On the Download



2 MB/s



mePhone

3.5 MB/s



mePhone 2



Create a Poster



Create a poster comparing data downloads of **mePhone** and **mePhone 2**.

You may want to include:

- download times
- download rates
- which phone finished first
- when (if ever) the two phones are “tied”



mePhone Simulation



<http://math.serpmedia.org/assets/mePhone.html>

mePhone Problem – GeoGebra Dynamic Worksheet

<https://dl.dropboxusercontent.com/u/31572307/mePhonev3.html> Reader

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mePhone Problem

The mePhone can download data from the web right to your phone. The mePhone2 is a newer model of the mePhone and it can download faster than the original mePhone. The mePhone can download 2 megabytes of data per second, and the mePhone2 can download 3.5 megabytes per second.

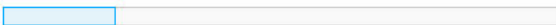
You start downloading a 210 megabyte video with your mePhone. Then, you get impatient because it is taking a long time to download. So, 30 seconds after you start downloading the file on your mePhone, you borrow your friend's mePhone2 to download the same video.


The sketch below simulates the situation:

Click to start the download, or drag the point to change time by hand

Start/Pause Download time = 42

Reset

mePhone2  42 of 210 MB

mePhone  84 of 210 MB

Bill Zahner, 15 January 2013, Created with [GeoGebra](#)

Display a menu

