How to make velocity graphs from a video

- 1. Record a video of your cart colliding with another cart
- 2. Get the video to you CSD Google Drive
- 3. Open "Logger Pro" -> Insert menu, choose "Movie"

- 4. Click on little red dots in
- 5. Set the scale: click on haritantal ruler and drag for Ililia. Il one meter
- 6. Fast forward the video with to be until the action starts
- 7. Set the origin: make "0,0" the 120 location of the cort on the left

8. Add points for the left cart: |
- Click on the location of
the cart (click on the Same part each time) - Click up to & past the collision 9. Add a new set of points: [. ______ - add new point series 10. Repeat step 8 for the cort on the right

11. Click on the graph behind the Movie 12. Find the velocity of each cart by finding the slope of the graph · Click on "M" to write down manually - or - . Click on "R" to have computer leave on the screen - select "x" and "x2" (select before the collision first) slope is U, & U2. Repeat for after the collision to Find I and 5.