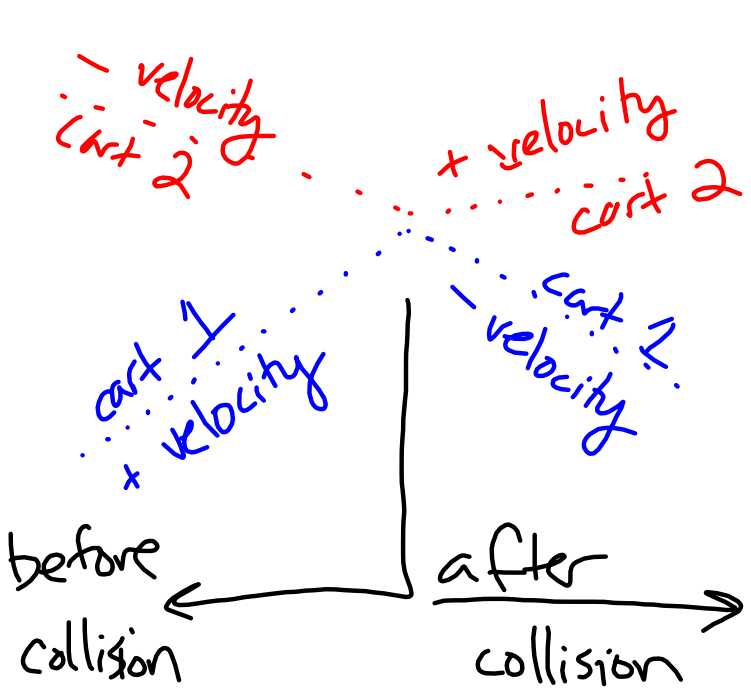
Notes on Conservation of Momentum Analysis

① 

+ velocities: left-to-right

− velocities: right-to-left

② Analysis: Was momentum conserved? If not, where did it go?

(3) Think about amounts of momentum like money: 0.001 is nothing. 0.1 is not much. Your starting points were generally higher - so low numbers at the end = ∅

$p = 0.0014 \frac{kg \cdot m}{s}$ $p' = 0.0017 \frac{kg \cdot m}{s}$

(4) DO THE MATH RIGHT

$p = m \times v$

(5) Your data should have 2-3 #'s in it (excluding ∅'s)

~~$0.042345871 \frac{kg \cdot m}{s}$~~

$0.042 \frac{kg \cdot m}{s}$

6 Circle the velocities
- on the screenshot
- just the actual #'s

7 ~~"Momentum wasn't conserved – it went from the 1st cart to the 2nd cart"~~

We're finding combined momentum of both carts:

Bregar	Kirsch		Bregar	Kirsch
$7	$5		$4	$6
total $12			$10	