

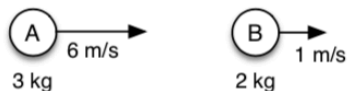
Corona Week 7 Conservation of Momentum 2

2. Somewhat Elastic Collisions

FOR ALL PROBLEMS, ASSUME THERE ARE NO OUTSIDE FORCES

Before

(1) total momentum before

After

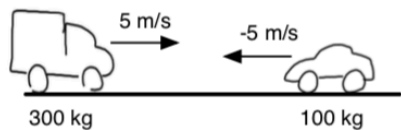
total momentum after

Find the velocity of ball B: how much and which way.

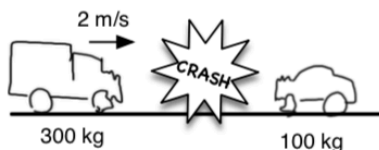
Before

(2) total momentum before

After

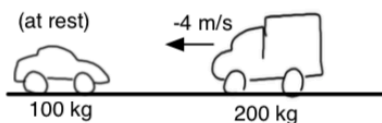
total momentum after

Find the velocity of the car: how much and which way.

Before

(3)



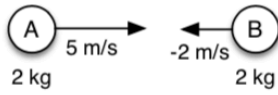
After



Find the velocity of the car: how much and which way.

(4)

Before



After

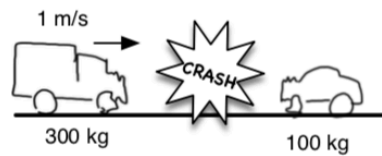


Find the velocity of ball A: how much and which way.

Before

After

(5)



Find the velocity of the car: how much and which way.