Documentation for transfer of momentum:

1. Everything should be clear:
   - Write down all measurements, with units and variables & indicate when the measurement was taken if necessary

     ex. mass of air cart 1: 812.3 g ÷ 1000
     = 0.8123 kg

     distance of air cart 2 after the carts collide: 72 cm ÷ 100
     = 0.72 m
   - All calculations should show the formula, the answer with units (& direction), and when the calculation applies

     ex. $v = \frac{d}{t}$

     $v_{\text{air cart 1 (before collision)}} = \frac{0.53\text{ m}}{0.5\text{ s}} = 1.06\text{ m/s (right)}$

2. Use your measurements & calculations, along with a written explanation to clearly show how momentum was transferred.

What we're checking as you work:

- valid measurements, accurate calculations
- data that is relatively error-free and theoretically consistent