

INERTIA

Materials

Physics cart

Spring scale

Fishing weights

Triple beam balance

What To Do

1. Use the triple beam balance to find the mass of the cart.
2. Hook the spring scale to the cart.
3. Measure the force it takes to move the cart across the table.
4. Add 1 fishing weight to the cart.
5. Find the mass of the cart + the weight.
6. Measure the force it takes to move the cart + 1 fishing weight across the table.
7. Repeat with 2 and 3 weights.