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| **Station 1: Force**

|  |  |  |  |
| --- | --- | --- | --- |
| # of books | 1 | 2 | 3 |
| Force in Newtons |  |  |  |

Why was the force for each setup different? | Diagram with all labeled forces: |
| **Station 2: Eggcentric Behavior**1. Mass Egg 1:\_\_\_\_\_\_ Mass Egg 2:\_\_\_\_\_\_\_

 3.  4. 5. | 6/7.8. |
| **Station 3: Cup-Magic**Explanation: | Diagram with all labeled forces: |
| **Station 4: Newton’s Cradle**Observe and record:A.B.C. | Diagram with all labeled forces: |
| **Station 5: Round and Round They Go**Observe and record:Explain: | Diagram with all labeled forces: |
| **Station 6: With Great Force Comes Great Change**Observations:Explain: | Diagram with all labeled forces: |
| **Station 7: How Far?**Marble 1: Distance box moved:\_\_\_\_\_\_\_\_\_\_\_\_\_Marble 2: Distance box moved:\_\_\_\_\_\_\_\_\_\_\_\_\_Marble 3: Distance box moved:\_\_\_\_\_\_\_\_\_\_\_\_\_Explain: | Diagram with all labeled forces: |
| **Station 8: Remove the Coin**Description of the process: | Diagram with all labeled forces: |
| **Station 9: Ordering Mass**Order of boxes from most mass to least mass: | Description of your method: |
| **Station 10: Equal But Opposite**Description of what happened when you relaxed your arm:  |  |