Activity Guide 1

Friction block

Masses

Spring Force Meter

Table top or floor

* Take care the masses are not pulled too near to the edge of the table, or simply work on the floor.

Gather data to complete the table.

Results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Material | Load (grams) | Sliding Friction Force (Newtons) | | | |
| Test 1 | Test 2 | Test 3 | Average |
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Are there any clear patterns in how the friction force changes?

By comparing with other groups, which surfaces have the highest friction?

Which surfaces have the lowest friction?

Can you suggest what increases or decreases the friction force?