**Pulley’ing Your Own Weight Worksheet**

In the drawing of a fixed pulley, below, notice the location of the weight and applied force.



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| 1. Draw a movable pulley (string, pulley, weight) and label the forces (weight, applied force).
2. Draw a two-pulley system with one movable pulley and one fixed pulley. Label the forces.
3. What is the weight of the object you will lift? Remember to indicate the units.

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Read the spring scale and record in the table, below.

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|  **Object Being Weighed** |  **Force Needed to Lift?** |
| Object along |  |
| Object with fixed pulley |  |
| Object with movable pulley |  |
| Object with two-pulley system |  |

1. Write a paragraph comparing how much force is needed to raise the object in all four cases.

Your paragraph should be at least three sentences long. |