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Name_____

# Student Worksheet

1. What is the mechanical advantage of the first pulley system?

2. For the first pulley system, how difficult is it for the puller to bring the PVC-handle holders together?

3. As more rope loops are added to the pulley system, does the mechanical advantage for the rope puller increase or decrease? What observations help you form this conclusion?

4. What is major disadvantage for the roper puller as more rope loops are added to the pulley system?

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