Name: _____ **Date:** _____



After you construct the crane, describe the reason that pulleys are useful.



Where can be used the crane you constructed? Write down your answer in a few words or draw a picture.

How many rotations of the crank do you need to raise the weight to the top?



Try to raise the weight using two pulleys. Is it easier of harder now? Can you see any difference in the crank?



Can you think of other ways to transfer the weight from one place to another without using the crane? Try to think which way is the easier.