TITANIC Tech.

Titanic Lifeboats

The average lifeboat on RMS Titanic weighed approximately 1.8 tonnes (1800kg) empty and perhaps 4.5 tonnes (4500kg) when full of people.

That's a lot of kilograms to lower over the side of the ship! To make lowering possible, pulleys were used to make the job easier.

Use the pulley gantry, which has 3 different pulley set ups, to raise the kilogram weights. Measure how far you have to walk back from the gantry with the rope in order to raise each weight just one metre.

What pulley system was most effective at lifting the weight? (Which made the job easier? One pulley, two pulleys or three?)

What can you say about the distance you had to pull the rope, the number of pulley wheels and the ease with which you lifted the weight?

Number of pulley wheels	Distance travelled backwards to raise the weight one metre
1	
2	
3	
4	

My conclusions:

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