

PULLEYS, FORCE AND DISTANCE,  
Part C

INSTRUCTIONS: Pull rope straight down at Point A and record force at W1 and W2.

FORCE DATA

W1 (g)	W2 (g)	W2/W1
100g	200g	2
200g	400g	2
300g	700g	2.3
400g	900g	2.25

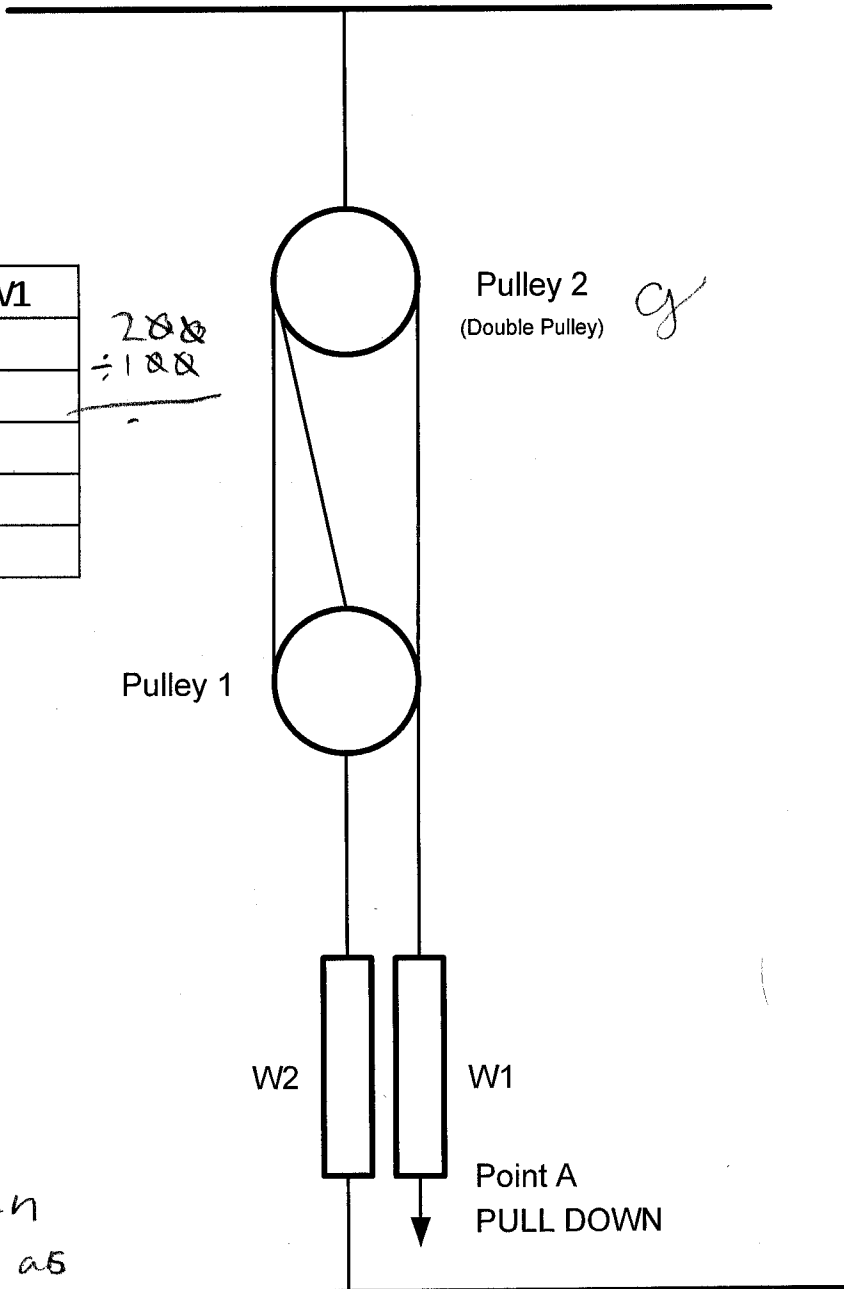
~~200~~  
~~÷ 100~~

$$\begin{array}{r} 400 \\ \div 200 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 700 \\ \div 300 \\ \hline 2.3 \end{array}$$

$$\begin{array}{r} 900 \\ \div 400 \\ \hline 2.25 \end{array}$$

That # Pulleys can pick up twice as much weight.



Pulley 2  
(Double Pulley) *g*

Pulley 1

W2

W1

Point A  
PULL DOWN