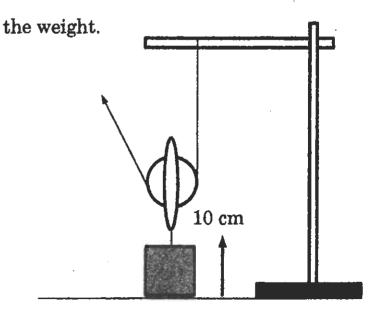
PULLEY POTPOURRI

Like other machines a pulley makes work easier. This is generally done by multiplying the input force. In each of the sections that follow, complete the pulley set-up and make your measurements and calculations. In every case lift the weight by 10 cm.

Part I: Use a single pulley. Lift th	le Weight.
Effort Force:	
Resistance Distance: 10 cm	
Resistance Force (weight):	10 cm
Mechanical Advantage:	

Part II: Use a single pulley. Lift
EFFORT DISTANCE_
Effort Force:
Resistance Distance: 10 cm
Resistance Force (weight):
Mechanical Advantage:



Part III: Use a double pulley on the bottom and a single pulley on the top.

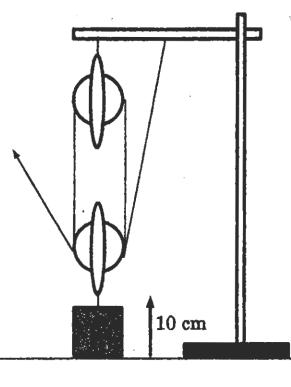
Lift the weight.

6-FORT	DISTANCE	}
Effort	Force:	

Resistance Distance: 10 cm

Resistance Force (weight):

Mechanical Advantage:



Part IV: Use a triple pulley on the bottom and a double pulley on the top. Lift the weight.

Effort Force:

EFFORT DISTANCE:

Resistance Distance: 10 cm

Resistance Force (weight):

Mechanical Advantage:

1) How did the work compare in each part above?

- 2) What did this machine multiply? How?
- 3) Of what benefit is the pulley set-up in part I?

