

MECHANISMS - 'BOXED LEARNING' EXERCISE

B

1

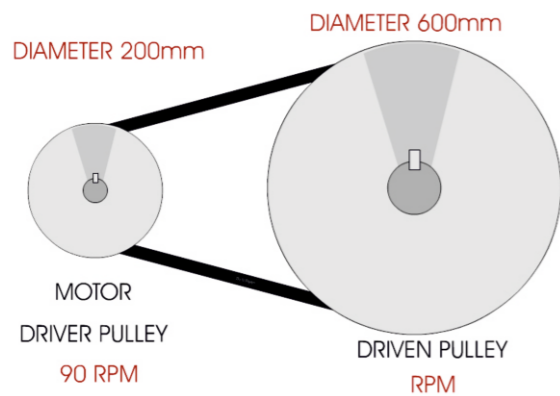
WHEN ARE PULLEY SYSTEMS USEFUL?

<http://www.technologystudent.com/gears1/pulley1.htm>

2

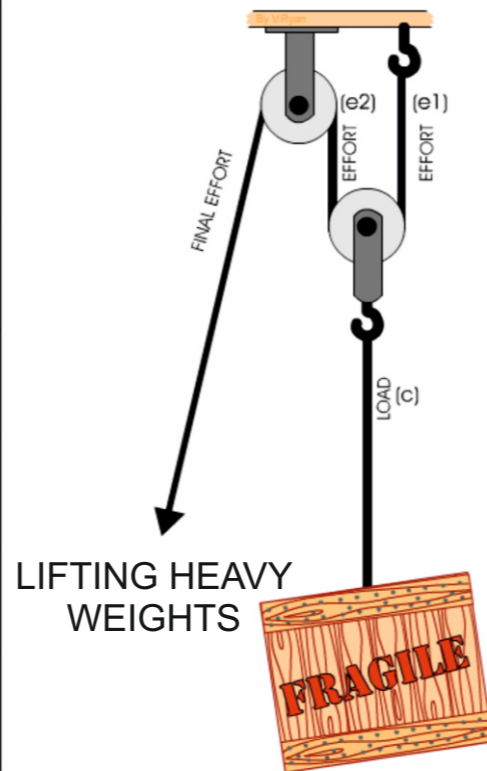
WHAT IS THE VELOCITY RATIO OF THIS PULLEY SYSTEM?

<http://www.technologystudent.com/gears1/pulley3.htm>



3

BELOW IS AN EXAMPLE OF A PULLEY SYSTEM IN USE
SKETCH YOUR VERSION HERE



LIFTING HEAVY WEIGHTS



5

PASTE / DRAW AN IMAGE OF THE PRACTICAL APPLICATION YOU DESCRIBED BELOW.

4

DESCRIBE ANOTHER PRACTICAL APPLICATION OF PULLEYS
(You may need to research the internet)

PULLEY SYSTEMS

FORMULA - VELOCITY RATIO

$$\frac{\text{DISTANCE MOVED BY DRIVEN PULLEY}}{\text{DISTANCE MOVED BY DRIVER PULLEY}}$$