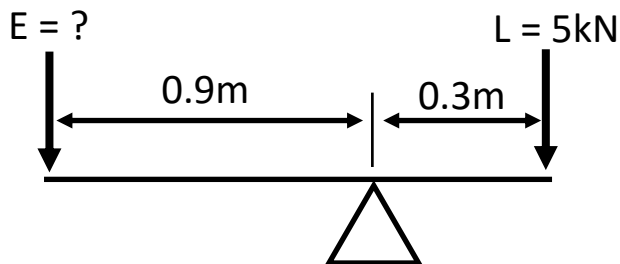


Moments Homework

/18

Example:



$$\Sigma \text{CWM} = \Sigma \text{ACWM}$$

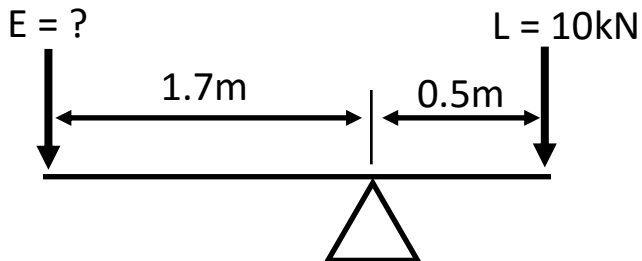
$$5 \times 0.3 = E \times 0.9$$

$$1.5 = 0.9 E$$

$$E = \frac{1.5}{0.9}$$

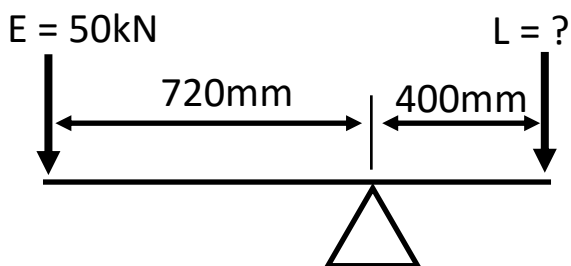
$$E = 1.67\text{kN}$$

Q1:



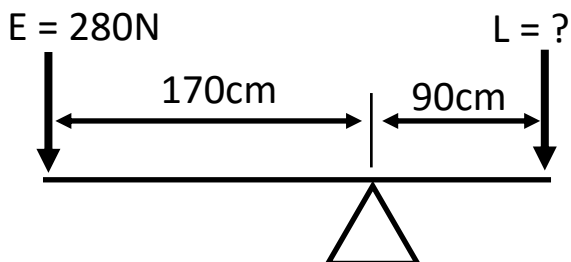
$$\Sigma \text{CWM} = \Sigma \text{ACWM}$$

Q2:



$$\Sigma \text{CWM} = \Sigma \text{ACWM}$$

Q3:

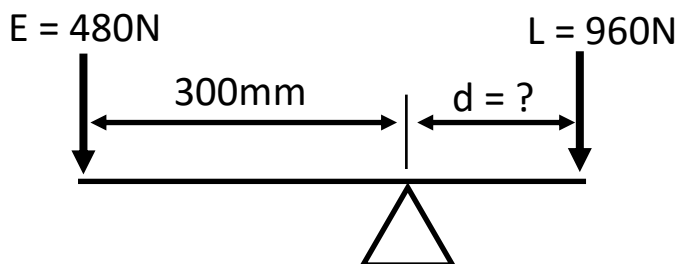


$$\Sigma \text{CWM} = \Sigma \text{ACWM}$$

Name: _____

Moments Homework

Example:



$$\Sigma\text{CWM} = \Sigma\text{ACWM}$$

$$960 \times d = 480 \times 300$$

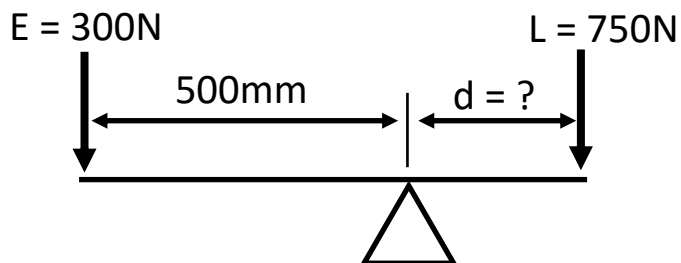
$$960d = 144000$$

$$E = \frac{144000}{960}$$

$$960$$

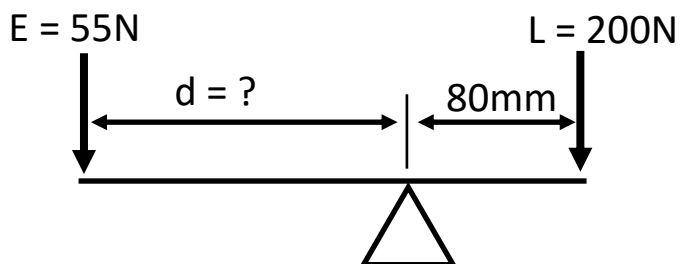
$$E = 150\text{mm}$$

Q4:



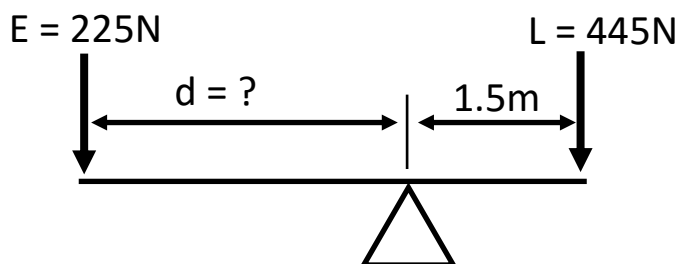
$$\Sigma\text{CWM} = \Sigma\text{ACWM}$$

Q5:



$$\Sigma\text{CWM} = \Sigma\text{ACWM}$$

Q6:



$$\Sigma\text{CWM} = \Sigma\text{ACWM}$$