First Class Levers

Effort
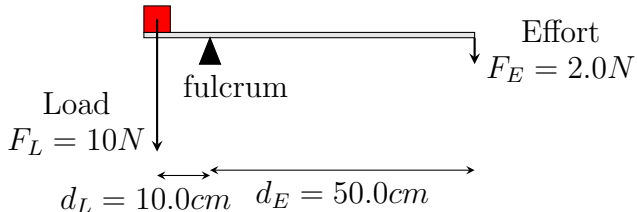$F_E = 2.0N$

fulcrum

Load
$F_L = 10N$

$d_L = 10.0cm$ $d_E = 50.0cm$

$$F_E \times d_E = F_L \times d_L$$
$$F_E = \frac{F_L \times d_L}{d_E}$$
$$F_E = \frac{10 \times 10.0}{50.0}$$
$$F_E = 2.0N$$