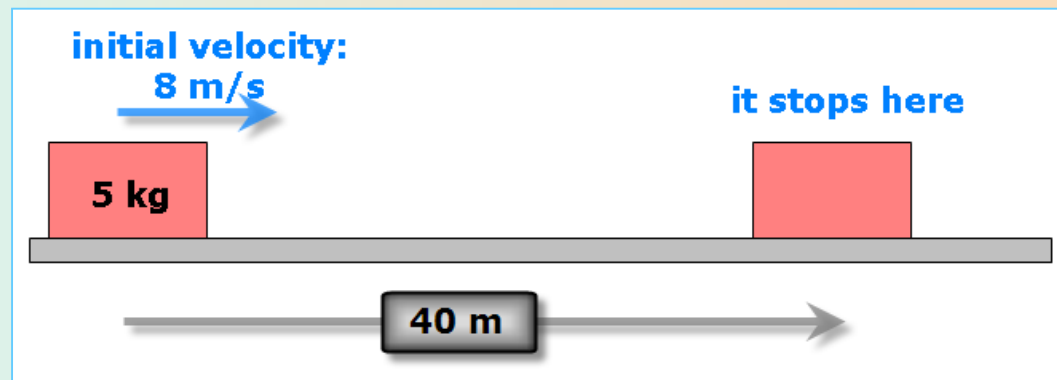


Dynamics: problems

Problem # 1

Determine the missing values in this table

Magnitude	Value
W (weight)	
N (normal)	
F_f (friction)	
μ (coefficient)	
a (acceleration)	
m (mass)	5 kg

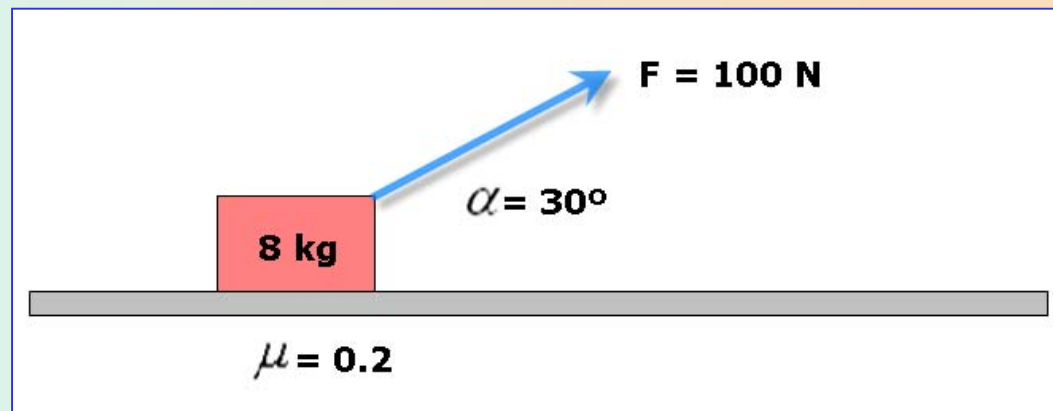


Dynamics: problems

Problem # 2

Determine the missing values in this table

Magnitude	Value
W (weight)	
N (normal)	
F_f (friction)	
μ (coefficient)	0.2
F (external)	100 N
a (acceleration)	
α (angle of F)	30°
m (mass)	8 kg

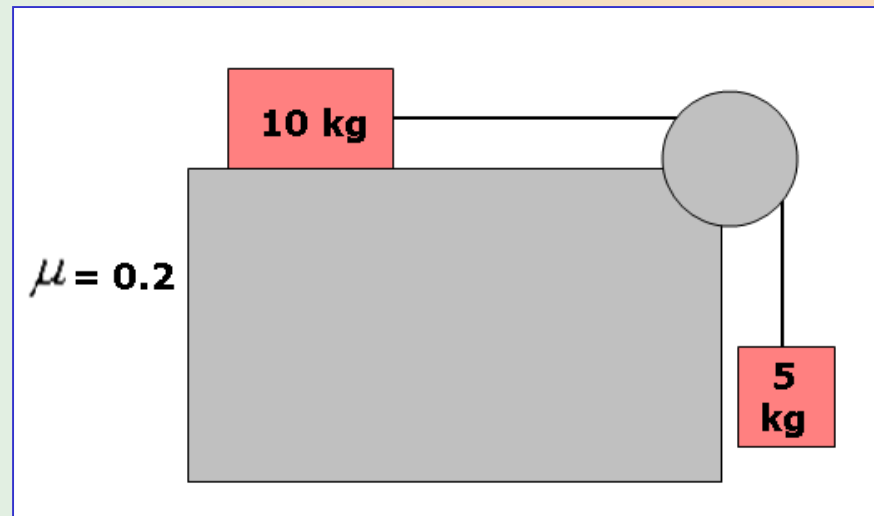


Dynamics: problems

Problem # 3

Determine the missing values in this table

Magnitude	Value
N (normal)	
T (tension)	
F_f (friction)	
μ (coefficient)	0.2
a (acceleration)	

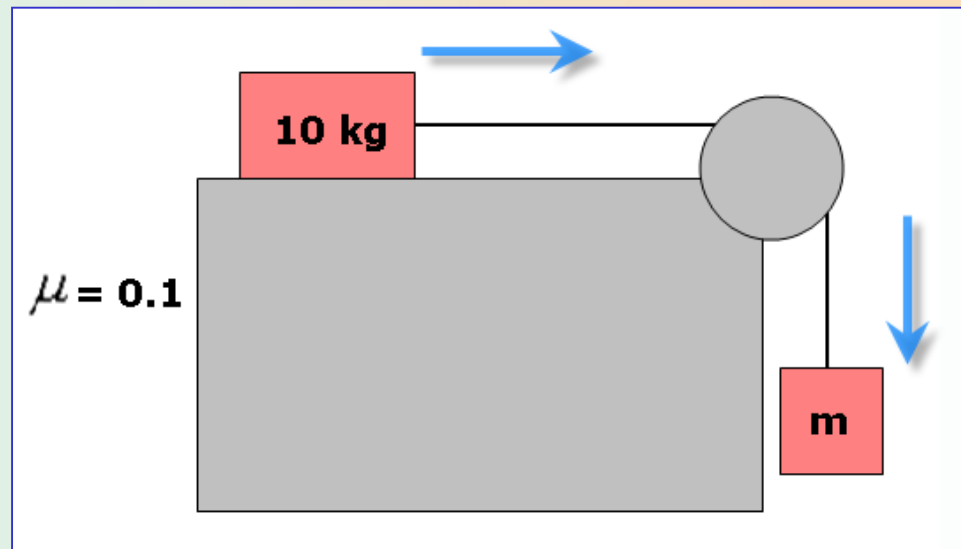


Dynamics: problems

Problem # 4

Determine the missing values in this table

Magnitude	Value
N (normal)	
T (tension)	
F_f (friction)	
μ (coefficient)	0.1
a (acceleration)	2.5 m/s^2
m (mass)	

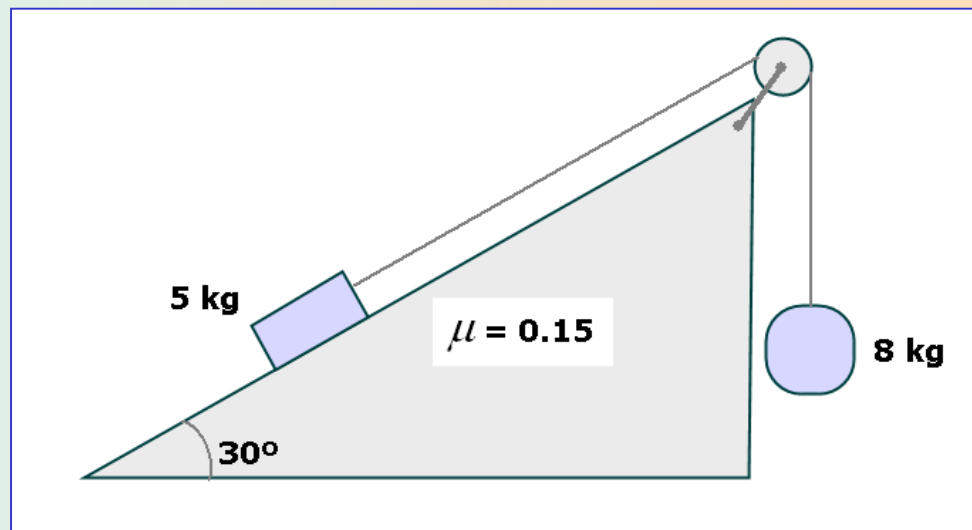


Dynamics: problems

Problem # 5

Determine the missing values in this table

Magnitude	Value
N (normal)	
T (tension)	
F_f (friction)	
μ (coefficient)	0.15
a (acceleration)	



Dynamics: problems

Problem # 6

Determine the missing values in this table

Magnitude	Value
W (weight)	$W_1 =$ $W_2 =$
N (normal)	$N_1 =$ $N_2 =$
F_f (friction)	$F_{F1} =$ $F_{F2} =$
μ (coefficient)	0.2
F (external)	80 N
a (acceleration)	

