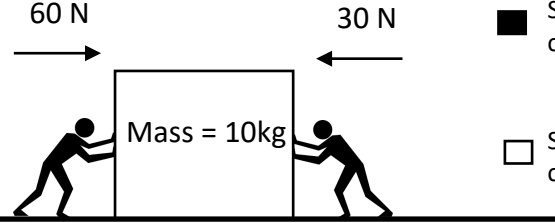


Net forces with Accelerations A

Name: _____

Find all the unknowns!

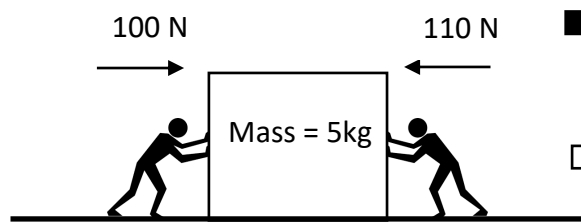


60 N → ← 30 N

Mass = 10kg

☒ Speed changes
☐ Speed constant

F_{Net}	Direction	Acceleration
30 N	→	3 m/s/s

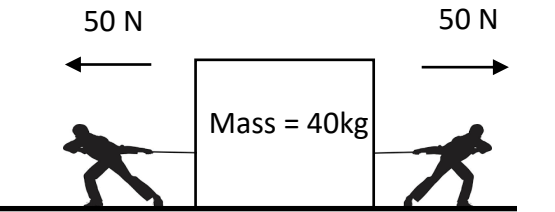


100 N → ← 110 N

Mass = 5kg

☐ Speed changes
☒ Speed constant

F_{Net}	Direction	Acceleration
10 N	←	2 m/s/s

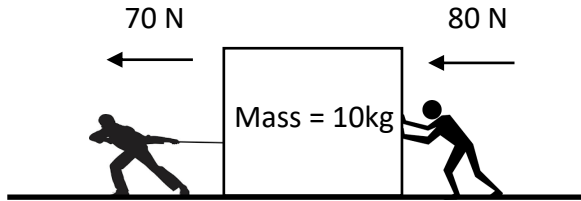


50 N ← → 50 N

Mass = 40kg

☐ Speed changes
☒ Speed constant

F_{Net}	Direction	Acceleration
0	--	0

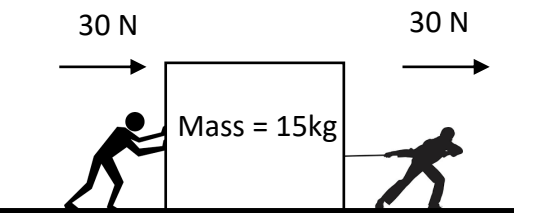


70 N ← ← 80 N

Mass = 10kg

☒ Speed changes
☐ Speed constant

F_{Net}	Direction	Acceleration
150 N	←	15 m/s/s

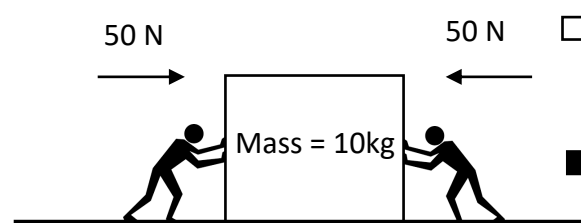


30 N → → 30 N

Mass = 15kg

☒ Speed changes
☐ Speed constant

F_{Net}	Direction	Acceleration
60 N	→	4 m/s/s

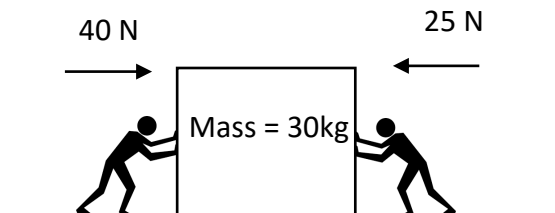


50 N → ← 50 N

Mass = 10kg

☐ Speed changes
☒ Speed constant

F_{Net}	Direction	Acceleration
0	--	0

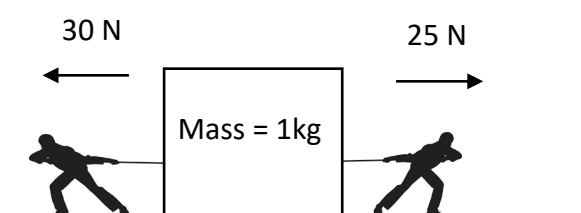


40 N → ← 25 N

Mass = 30kg

☒ Speed changes
☐ Speed constant

F_{Net}	Direction	Acceleration
15 N	→	0.5 m/s/s



30 N ← → 25 N

Mass = 1kg

☒ Speed changes
☐ Speed constant

F_{Net}	Direction	Acceleration
5 N	←	5 m/s/s