

PHYSLETS ANSWER SHEET



Forces / Set 2 / Animation 1

Name	Class
<show all="" calculations.="" explana<="" include="" on="" proper="" td="" units.="" work=""><td>tions require complete sentences.></td></show>	tions require complete sentences.>
1) Find the mass (m) of the smaller box.	
2) Draw and label free body diagrams for both	h (m) and (M).
3) Calculate the acceleration of the system.	
4) Change the ratio of the masses: $M/m = 10$. system.	Calculate the new acceleration of the
5) With $M/m = 10$, calculate the final velocity	y of the larger mass (M).