Physics 151 Class Exercise: Fluids						
1. A brick weighs 17.8 N and is resting on the ground. Its dime 0.0570 m. A number of the bricks are then stacked on top of this of whole bricks (including the one on the ground) that could be us pressure of at least one atmosphere on the ground beneath the firs face of the brick is in contact with the ground).	one. What is	s the smallest num heir weight creates	iber s a			
	Answer:	<u> </u>				
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2.	A	mechanic	is	raising	a	car	with	a	hydrau	lic	lift	to	make	rep	airs	to	the	undersic	le.	The
smaller	r pi	ston has a	ra	dius of 1	15 c	m	while	th	e large	pis	ton	has	a rad	ius (of 85	5 cn	n.	To raise	a 1	.800
kg car	1.4	m,																		

- a) how much force must the mechanic apply to the small piston, andb) through what distance must she move the small piston.

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Answer:	
Answer:	