	Taxi Cabs	Points	Section points
1. a	6 large taxis hold 42 people 75 = 42 = 33 people 33 people need 9 small taxis with 3 empty seats 6 large taxis cost 6 x $63 = $378 9 small taxis cost 9 x $40 = $360 Total cost $**738**	2 2	4

2.	The best strategy is to increase the number of large taxis (because each seat costs $9) and decrease the number of empty seats in the small taxis.
	
	Large taxis Small taxis Cost in $
	   6 9 738
	   7 7 721
	   8 5 704
	   9 3 687 **no empty seats**
	 10 2 710
	
	$687 is the lowest possible cost
		2
		
		3
		
		1
			6

	Total		10