1	Which pair of quantities are physical quantities?							
	A	charge and ampere						
	В	efficiency and k	kilog	ram				
	С	pascal and stra	iin					
	D	period and pote	entia	l difference				
2	Which list of unit prefixes decreases in magnitude from left to right?							
2	A centi, deci, milli							
	В	deci, milli, centi						
	С	pico, kilo, milli	ı					
	D	kilo, milli, pico						
	0	Kilo, IIIIII, pico						
3	The drag coefficient $C_d$ is a number with no units. It is used to compare the drag on different cars at different speeds. $C_d$ is given by the equation							
	$C_{\rm d} = \frac{2F}{v^n \rho A}$							
	where $F$ is the drag force on the car, $\rho$ is the density of the air, $A$ is the cross-sectional area of the car and $v$ is the speed of the car.							
	What is the value of <i>n</i> ?							
	A	1	В	2	С	3	D	4
4	A micrometer screw gauge is used to measure the diameter of a small uniform steel sphere. The measurement of the diameter is $5.00\text{mm}\pm0.01\text{mm}$ .							
	What is the percentage uncertainty in the calculated volume of the sphere, using these values?							
	Α	0.2%	В	0.4%	С	0.6%	D	1.2%
5	For	ces of magnitud	es 2	N, 4N and 7N o	comb	oine to produce a	a res	ultant force.
	The magnitudes of the three forces are fixed, but the forces may act in any direction in the same plane.							
	What is <b>not</b> a possible magnitude of the resultant force?							
	Α	0 N	В	5 N	С	8 N	D	13 N