Practical Standard Form										
(a)				(b)				(c)		
The table shows the diameter of some planets in the solar system.				The table shows the populations of some European countries.			9	The table shows the areas in square kilometres of four Asian countries.		
Plai	net	Diameter (km)			Country	Population		Country	Area (km²)	
Ear	rth	1.3×10^4			Belgium	1.16×10^{7}		China	9.6×10^6	
Merc	cury	4.8×10^{3}			Estonia	1.33×10^{6}		Hong Kong	1.11×10^{3}	
Nept	tune	4.9×10^{4}			Iceland	3.41×10^{5}		Japan	3.78×10^{5}	
Satı	urn	1.2×10^{5}			Russia	1.46×10^{8}		Pakistan	7.96×10^{5}	
(i) Calculate the difference, in km, between the diameter of Earth and the diameter of Saturn. Give your answer in standard form.				(i) Calculate the total population of these four countries. Give your answer in standard form to 3 significant figures.			(i) Calculate the total area of China, Japan and Hong Kong. Give your answer in standard form to 3 significant figures.			
$1.07 \times 10^5 \ km$				1.59×10^{8}				$9.98\times10^6~km^2$		
(ii) The diameter of Neptune is k times bigger than the diameter of Mercury. Find the value of k to 1 decimal place.				(ii) How many more people live in Estonia than live in Iceland? Give your answer in standard form.				(ii) Calculate the difference in area between China and Pakistan. Give your answer in standard form.		
10.2				9.89×10^{5}				$8.804 \times 10^6 \ km^2$		
(iii) Find the ratio of the diameter of Saturn to the diameter of Mercury in the form $n:1$ $25:1$				(iii) Calculate the ratio of the population of Belgium to the population of Russia. Give your answer in the form $1:n$, where n is rounded to 1 decimal place.			(iii) The population of Hong Kong is 7.48 million. Find the population density of Hong Kong to the nearest integer, where: $Population\ density = Population\ \div Area$			
				1:12.6				6739 people/km²		