Physics estimates to be learned
· mass of an apple: 200g to 400g
· Number of joules in 1 kWh = 1000W x 3600s = 3.6 × 106 J
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. Wavelength of red light: 700 nm
· Wavelength of green light: 500nm
· Wavelength of violet light: 400 nm
· wavelength of ultraviolet light: 10mm to 400nm
· Pressure due to 10m of water: 10°5 Pa [ tgh=(1000)(10)(10)]
· Speed of sound in air: 300 ms-1 or 330 ms-1
· Speed of sound in air: Souns or Souns
· Density of Air: 1.4kgm-3
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· Density of water: 1000 kgm-3
· Density of mercury: 13600 kgm-3
· Mass of a protractor: 20g to sog
· Volume of an adults head: 2144.7 cm³ ( 47123 where r= 8cm)
· Frequency of audible sound: 2042 to 20000Hz
· Mass of 30cm plastic ruler: 30g to 100g
· Size (diameter) of a nucleus: 10-13 m to 10-15 m
· Size (diameter) of a nucleus: 10 m to 10 m
· Size (diameter) of an atom: 10-9m to 10-1m
. Mass of a person: Toky to 80kg
· Height of a person: 1.5 m
· Walking speed of a person: 1.5ms-1
· Speed of car on motorway: 30ms-1
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· Volume of a can of drink: 300 cm³
· Typical current in a domestic appliance: 13A
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