120BM0014

1) The specific weight = $\frac{W}{V} = \frac{7N}{1L} = 7000 N/m^3$

The density is $\frac{m}{V} = 713.5 \text{ kg/m}^3$

Specific gravity = $\frac{\rho_{ob}}{\rho_w} = 0.7135$

2) Density of Petrol = S.G of petrol x S.W of water
= 0.7 x 1000
= 700 kg/m³

Specific weight of petrol = S.G of petrol x S.W of water
= 0.7 x 1000 x 9.81
= 6867 N/m³

3) Specific weight = $\frac{W}{V} = \frac{136 \times 10^4 N}{10 m^3} = 136 kN/m^3$

Mass density = 13878 kg/m³

Specific gravity = 13.878