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In[1]:= r = Quantity[8.314, "Kilopascals" * "Liters" / ("Moles" * "Kelvins")]
          |
          |quantité
p = UnitConvert[Quantity[1014.15, "Hectopascals"], "Kilopascals"]
          |
          |conversion d'u...|quantité
tlab = UnitConvert[Quantity[20.5, "DegreesCelsius"], "Kelvins"]
          |
          |conversion d'u...|quantité
mmg1 = Quantity[0.009, "Grams"]
          |
          |quantité
vseringue1 = Quantity[6, "Milliliters"]
              |
              |quantité
vep1 = Quantity[13.5, "Milliliters"]
        |
        |quantité
vh21 = vep1 - vseringue1
nh21 = p * vh21 / (r * tlab);
nmg1 = nh21;
scin1 = ScientificForm[nh21]
          |
          |forme scientifique
massemolmg1 = mmg1 / nmg1

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Out[1]= 8.314 L kPa / (K mol)

Out[2]= 101.415 kPa

Out[3]= 293.65 K

Out[4]= 0.009 g

Out[5]= 6 mL

Out[6]= 13.5 mL

Out[7]= 7.5 mL

Out[10]/ScientificForm=

$3.11547 \times 10^{-4} \text{ mol}$

Out[11]= 28.8881 g/mol

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In[43]:= mmg2 = Quantity[0.008, "Grams"]
           |quantité
vseringue2 = Quantity[6, "Milliliters"]
           |quantité
vep2 = Quantity[14, "Milliliters"]
      |quantité
vh22 = vep2 - vseringue2
nh22 = p * vh22 / (r * tlab);
nmg2 = nh22;
scin2 = ScientificForm[nh22]
      |forme scientifique
massemolmg2 = mmg2 / nmg2

```

Out[43]= 0.008 g

Out[44]= 6 mL

Out[45]= 14 mL

Out[46]= 8 mL

Out[49]//ScientificForm=

$3.32317 \times 10^{-4} \text{ mol}$

Out[50]= 24.0734 g/mol

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In[51]:= massemolmgth = Quantity[24.305, "Grams" / "Moles"]
           |quantité
delta1 = massemolmg1 - massemolmgth
delta2 = massemolmg2 - massemolmgth
rel1 = UnitConvert[delta1 / massemolmgth, "Percent"]
      |conversion d'unité
rel2 = UnitConvert[delta2 / massemolmg2, "Percent"]
      |conversion d'unité

```

Out[51]= 24.305 g/mol

Out[52]= 4.58311 g/mol

Out[53]= -0.231578 g/mol

Out[54]= 18.8566%

Out[55]= -0.961965%