

# FICHE 3 – CONVERSIONS ET ECRITURES SCIENTIFIQUES

## Quelques conversions à connaître :

$$1 \text{ km} = 10^3 \text{ m} \qquad 1 \text{ m} = 10^{-3} \text{ mm} \qquad 1 \text{ } \mu\text{m} = 10^{-3} \text{ mm} = 10^{-6} \text{ m}$$

$$1 \text{ Mm} = 10^3 \text{ km} = 10^6 \text{ m} \qquad 1 \text{ Gm} = 10^3 \text{ Mm} = 10^9 \text{ m}$$

## Consigne :

Pour chaque valeur, trouve l'écriture scientifique correspondante et ce dans l'unité demandée.

Série 30 :                      3 mA = \_\_\_\_\_ A                      6 kV = \_\_\_\_\_ V

   1  $\mu$ m = \_\_\_\_\_ m                      5 MN = \_\_\_\_\_ N

Série 31 :                      1 mm = \_\_\_\_\_ m                      2,5 Mg = \_\_\_\_\_ g

   7 Gm = \_\_\_\_\_ m                      7 nm = \_\_\_\_\_ m

Série 32 :                      5 dA = \_\_\_\_\_ A                      8 cm = \_\_\_\_\_ m

   7 dam = \_\_\_\_\_ m                      2 hm = \_\_\_\_\_ m

Série 33 :                      8 nm = \_\_\_\_\_ m                      2 kV = \_\_\_\_\_ V

   3  $\mu$ m = \_\_\_\_\_ m                      5 mm = \_\_\_\_\_ m

Série 34 :                      2 kW = \_\_\_\_\_ W                      10 mV = \_\_\_\_\_ V

   2000 m<sup>3</sup> = \_\_\_\_\_ m<sup>3</sup>                      10  $\mu$ m = \_\_\_\_\_ m

Série 35 :                      2 MN = \_\_\_\_\_ N                      7 ng = \_\_\_\_\_ g

   0,100 mm = \_\_\_\_\_ m                      30 kg = \_\_\_\_\_ g

Série 36 :                      2,7 kV = \_\_\_\_\_ V                      32 g = \_\_\_\_\_ g

   400 kV = \_\_\_\_\_ V                      450 mg = \_\_\_\_\_ g

Série 37 :                      500  $\mu$ m = \_\_\_\_\_ m                      300 Mg = \_\_\_\_\_ g

   32,5 tonnes = \_\_\_\_\_ kg                      80 dam = \_\_\_\_\_ m

Série 38 :                      700 ng = \_\_\_\_\_ g                      65  $\mu$ m = \_\_\_\_\_ m

   200 m = \_\_\_\_\_ m                      35,2 km = \_\_\_\_\_ m

Série 39 :                      28 Gm = \_\_\_\_\_ m                      375 MW = \_\_\_\_\_ W

   0,0257 mm = \_\_\_\_\_ m                      0,003 75  $\mu$ m = \_\_\_\_\_ m

Série 40 :                      7 356 GW = \_\_\_\_\_ W                      0,003 56 nm = \_\_\_\_\_ m

   236 mm = \_\_\_\_\_ m                      753 Mm = \_\_\_\_\_ m