

# FICHE 1 - CONVERSIONS

## Quelques conversions à connaître :

1 tonne = 1 000 kg

1 km = 1 000 m

1 m = 1 000 mm

1 mm = 1 000  $\mu\text{m}$

1000  $\mu\text{m}$  = 1 mm

1 Mm = 1 000 km = 1 000 000 m

1 min = 60 s

1 h = 60 min

1 journée = 24 h

## Tableau de conversion

méga			kilo	hecto	déca		Deci	centi	milli			micro
MA			kA	hA	daA	A	dA	cA	mA			$\mu\text{A}$
Mm			km	hm	dam	m	dm	cm	mm			$\mu\text{m}$
Mg			kg	hg	dag	g	dg	cg	mg			$\mu\text{g}$
MV			kV	hV	daV	V	dV	cV	mV			$\mu\text{V}$
1	0	0	0									
									1	0	0	0

## Conversions à réaliser

### Série 1 :

0,19 A = \_\_\_\_\_ mA

3 V = \_\_\_\_\_ mV

\_\_\_\_\_ A = 257 mA

0,57 V = \_\_\_\_\_ mV

### Série 2 :

0,04 A = \_\_\_\_\_ mA

4 kV = \_\_\_\_\_ V

47 m = \_\_\_\_\_ km

2 tonnes = \_\_\_\_\_ kg

### Série 3 :

\_\_\_\_\_ A = 5 mA

3 500 mm = \_\_\_\_\_ m

25 g = \_\_\_\_\_ kg

6 Mm = \_\_\_\_\_ m

### Série 4 :

Rayon de la Terre : 6 400 km = \_\_\_\_\_ m = \_\_\_\_\_ Mm

Taille d'une poussière : 100  $\mu\text{m}$  = \_\_\_\_\_ mm

Tension des prises électriques : 230 V = \_\_\_\_\_ kV = \_\_\_\_\_ mV

Distance Terre-Lune : 380 000 km = \_\_\_\_\_ Mm

### Série 5 :

Masse d'une petite voiture : 1,5 tonnes = \_\_\_\_\_ kg

Ligne à très haute tension : 400 000 V = \_\_\_\_\_ kV = \_\_\_\_\_ MV

Intensité du courant mortel pour un être humain : 25 mA = \_\_\_\_\_ A

Tension pouvant être mortel pour l'Homme : 50 V = \_\_\_\_\_ mV = \_\_\_\_\_ kV

- Série 6 :                    0,035 A = \_\_\_\_\_ mA                    6,3 V = \_\_\_\_\_ mV  
                                       \_\_\_\_\_ A = 87 mA                            1 heure = \_\_\_\_\_ min
- Série 7 :                    0,003 A = \_\_\_\_\_ mA                    4,25 kV = \_\_\_\_\_ V  
                                       8,6 tonnes = \_\_\_\_\_ kg                    2 heures = \_\_\_\_\_ min
- Série 8 :                    \_\_\_\_\_ A = 5 mA                            185 mm = \_\_\_\_\_ m  
                                       250 g = \_\_\_\_\_ kg                            2 jours = \_\_\_\_\_ heures
- Série 9 :                    1982 mg = \_\_\_\_\_ g                    1,25 V = \_\_\_\_\_ mV  
                                       30 min = \_\_\_\_\_ s                            2,7 kV = \_\_\_\_\_ V
- Série 10 :                    2 km = \_\_\_\_\_ m                            0,15 V = \_\_\_\_\_ mV  
                                       0,13 V = \_\_\_\_\_ mV                            120 min = \_\_\_\_\_ h
- Série 11 :                    20 Mm = \_\_\_\_\_ m                            0,100 mm = \_\_\_\_\_  $\mu$ m  
                                       600 s = \_\_\_\_\_ min                            1 heure = \_\_\_\_\_ min = \_\_\_\_\_ s
- Série 12 :                    2 mg = \_\_\_\_\_  $\mu$ g                            400 kV = \_\_\_\_\_ V  
                                       32 g = \_\_\_\_\_ mg                            1,5 heures = \_\_\_\_\_ min
- Série 13 :                    50  $\mu$ m = \_\_\_\_\_ mm                            3 g = \_\_\_\_\_ kg  
                                       1 an = \_\_\_\_\_ jours = \_\_\_\_\_ heures = \_\_\_\_\_ min = \_\_\_\_\_ s
- Série 14 :                    1982 mg = \_\_\_\_\_ g                            1,25 V = \_\_\_\_\_ mV  
                                       72 Mg = \_\_\_\_\_ tonnes                            1,5 jours = \_\_\_\_\_ heures
- Série 15 :                    3,1 A = \_\_\_\_\_ mA                            12,5 cm = \_\_\_\_\_ m  
                                       900 Mg = \_\_\_\_\_ tonnes                            59 km = \_\_\_\_\_ m
- Série 16 :                    3 g = \_\_\_\_\_ kg                            125 kV = \_\_\_\_\_ V  
                                       2500 kg = \_\_\_\_\_ tonnes                            72 heures = \_\_\_\_\_ jours
- Série 17 :                    500 km = \_\_\_\_\_ m                            3 g = \_\_\_\_\_ kg  
                                       2 h 15 min = \_\_\_\_\_ h                            250  $\mu$ m = \_\_\_\_\_ mm
- Série 18 :                    2,7 kV = \_\_\_\_\_ V                            579 m = \_\_\_\_\_ km  
                                       1 h 45 min = \_\_\_\_\_ h                            2,5 tonnes = \_\_\_\_\_ kg
- Série 19 :                    8 dam = \_\_\_\_\_ m                            2 h 12 min = \_\_\_\_\_ h  
                                       3,5 tonnes = \_\_\_\_\_ Mg                            7 Mg = \_\_\_\_\_ g
- Série 20 :                    1 h 24 min = \_\_\_\_\_ h                            7,5 tonnes = \_\_\_\_\_ kg  
                                       200 mg = \_\_\_\_\_ g                            70  $\mu$ m = \_\_\_\_\_ mm  
                                       2 ans = \_\_\_\_\_ jours = \_\_\_\_\_ heures = \_\_\_\_\_ min = \_\_\_\_\_ s