SISTEMA BRITANICO

DE UNIDADES

CONVERSIÓN DE UNIDADES

Convertir 4 km a metros **EJEMPLO**

$$\left(\frac{4\ km}{1}\right)\left(\frac{1000\ m}{1\ km}\right) = 4000\ m$$

CONVERTIR:

1. 52 Hm a Cm

$$\left(\frac{52\ Hm}{1}\right)\left(\frac{10000\ cm}{1\ Hm}\right) = 520000\ cm$$

2. 7m a mm

$$\left(\frac{7\ m}{1}\right)\left(\frac{1000\ mm}{1\ m}\right) = 7000\ mm$$

3. 18mm a m

$$\left(\frac{18\ mm}{1}\right)\left(\frac{0{,}01\ m}{1\ mm}\right) = 0{,}018\ m$$

4. 21 km a cm

$$\left(\frac{21\ km}{1}\right)\left(\frac{10000\ cm}{1\ km}\right) = 210000\ cm$$

5. 67 mm a km

$$\left(\frac{67\ mm}{1}\right)\left(\frac{0{,}000001\ km}{1\ mm}\right) = 0{,}0000067\ km$$

6. 7m a km

$$\left(\frac{7\ m}{1}\right)\left(\frac{0{,}001\ km}{1\ m}\right) = 0{,}007\ km$$

7. 150m a dm

$\left(\frac{150m}{1}\right)\left(\frac{100dm}{10m}\right) = 1500dm$

8. 9 Hm a cm

$\left(\frac{9Hm}{1}\right)\left(\frac{10000cm}{1Hm}\right) = 90000cm$

9. 0,5m a cm

$\left(\frac{0,5m}{1}\right)\left(\frac{100cm}{1m}\right) = 50cm$

10. 0,07km a m

$\left(\frac{0,07Km}{1}\right)\left(\frac{1000m}{1Km}\right) = 70m$

11. 13 km/h a m/s

1 Km = 1000 m
1 hora = 60 minuto
1 minuto = 60 segundos

$\rightarrow \frac{13km}{h}\left(\frac{1000m}{1Km}\right)\left(\frac{1h}{60min}\right)\left(\frac{1min}{60s}\right)$

$= 361 m/s$

12. Convierta 7 galones a cm^3

1 galón = 3,785 litros
1 Litro = $1000 cm^3$

$\rightarrow 7gal\left(\frac{3,7851}{1gal}\right)\left(\frac{1000cm^3}{1l}\right)$

$= 26495 cm^3$

13. 8 millas/h a m/s

1 milla = 1,609 km
1 km = 1000 m
1 hr = 60 min
1 min = 60 s

$\rightarrow 8 millas\left(\frac{1,609km}{1millo}\right)\left(\frac{1000m}{1km}\right)\left(\frac{1h}{60min}\right) = 3,57 m/s$

14. 6km a Pies

1 km = 1000 m
1 m = 328 pies (ft)

$\rightarrow 6km\left(\frac{1000m}{1km}\right)\left(\frac{328 pies}{1m}\right)$

$= 19685 ft$

15. 5 millas/h a m/s
1 milla = 1,609 km
1 km = 1000 m
1 hr = 60 min

$$\frac{5\text{ millas}}{1\text{ h}}\left(\frac{1{,}609\text{ km}}{1\text{ milla}}\right)\left(\frac{1000\text{ m}}{1\text{ km}}\right)\left(\frac{1\text{ h}}{60\text{ min}}\right)\left(\frac{1\text{ min}}{60\text{ seg}}\right) = 2{,}23\text{ m/s}$$

16. 3 km/h a m/s
1 km = 1000 m
1 hr = 3600 s

$$\frac{3\text{ km}}{1\text{ h}}\left(\frac{1000\text{ m}}{1\text{ km}}\right)\left(\frac{1\text{ h}}{3600\text{ s}}\right) = \frac{3000\text{ m}}{3600\text{ s}} = 0{,}83\text{ m/s}$$

17. 83 m/s a km/h
1 km = 1000 m
1 h = 3600 s

$$\frac{83\text{ m}}{1\text{ s}}\left(\frac{1\text{ km}}{1000\text{ m}}\right)\left(\frac{3600\text{ s}}{1\text{ h}}\right) = \frac{298800\text{ km}}{1000\text{ h}} = 298{,}8\text{ km/h}$$

18. 9 millas/h a m/s
1 milla = 1,609 km
1 km = 1000 m
1 hr = 60 min

$$\frac{9\text{ millas}}{1\text{ h}}\left(\frac{1{,}609\text{ km}}{1\text{ milla}}\right)\left(\frac{1000\text{ m}}{1\text{ km}}\right)\left(\frac{1\text{ h}}{60\text{ min}}\right)\left(\frac{1\text{ min}}{60\text{ s}}\right) = 4{,}02336\text{ m/s}$$

19. 13 km/h a m/s
1 km = 1000 m
1 hr = 60 min
1 min = 60 s

$$\frac{13\text{ km}}{1\text{ h}}\left(\frac{1000\text{ m}}{1\text{ km}}\right)\left(\frac{1\text{ h}}{60\text{ min}}\right)\left(\frac{1\text{ min}}{60\text{ s}}\right) = 3{,}61\text{ m/s}$$

20. 8 milla/s a m/s
1 milla = 1,609
1 km = 1000 m
1 hr = 60 min
1 = 60 s

$$\frac{8\text{ millas}}{1\text{ s}}\left(\frac{1{,}609\text{ km}}{1\text{ milla}}\right)\left(\frac{1000\text{ m}}{1\text{ km}}\right)\left(\frac{1\text{ h}}{60\text{ min}}\right)\left(\frac{1\text{ min}}{60\text{ s}}\right) = 3{,}57\text{ m/s}$$

21. 24 kg a g
1 kg = 1000 g

$$\left(\frac{24\text{ kg}}{1}\right)\left(\frac{1000\text{ g}}{1\text{ kg}}\right) = 24\text{ kg}$$

22. 8 hg a dg

$$\left(\frac{8\text{ hg}}{1}\right)\left(\frac{1000\text{ dg}}{1\text{ hg}}\right) = 8000\text{ dg}$$

23. 11 mg a g $\left(\frac{11\,mg}{1}\right)\left(\frac{0,001\,g}{1\,mg}\right) = 0,011\,g$

24. 4,7 Kg a dg $\left(\frac{4,7\,Kg}{1}\right)\left(\frac{10000\,dg}{1\,Kg}\right) = 47000\,dg$

25. 18 lbs a g $\left(\frac{18\,lbs}{1}\right)\left(\frac{453,59237\,g}{1\,lbs}\right) = 8164,66766\,lbs$

26. 9,7 t a Kg $\left(\frac{9,7\,t}{1}\right)\left(\frac{1000\,Kg}{1\,t}\right) = 9700\,Kg$

27. 24 Dm^3 a cm^3 $\left(\frac{24\,Dm^3}{1}\right)\left(\frac{1000000000\,cm^3}{10\,m}\right)$

$= 24000000000\,cm^3$

28. 5 cm^3 a m^3 $\left(\frac{5\,cm^3}{1}\right)\left(\frac{0,0000001\,m^3}{1\,cm^3}\right) = 0,0000005\,m^3$

29. 85000000 mm^3 a dm^3 $\left(\frac{85000000\,mm^3}{1}\right)\left(\frac{0,000001\,dm^3}{1\,mm^3}\right)$

$= 85\,dm^3$

30 12,5 Km^3 a Hm^3 $\left(\frac{12,5\,Km^3}{1}\right)\left(\frac{1000\,Hm^3}{1\,Km^3}\right) = 12500\,Hm^3$