

Metric Conversion Worksheet

Quantity	Conversion	Scientific Notation
1. 3 s	= _____ ms	= _____
2. 50 mL	= _____ L	= _____
3. 2 L	= _____ μ L	= _____
4. 25 kg	= _____ g	= _____
5. 3 Mm	= _____ m	= _____
6. 2 dL	= _____ L	= _____
7. 7 μ s	= _____ ms	= _____
8. 51 kg	= _____ mg	= _____
9. 3125 μ L	= _____ kL	= _____
10. 1.7 μ g	= _____ cg	= _____
11. 23 W	= _____ kW	= _____
12. 0.9723 Hz	= _____ mHz	= _____
13. 0.59283 μ mol	= _____ mol	= _____
14. 2.6574 J	= _____ μ J	= _____
15. 239.4043 mg	= _____ kg	= _____
16. 450 mg	= _____ g	= _____
17. 63.5 m	= _____ cm	= _____
18. 26.4 dm	= _____ km	= _____
19. 250.6 mL	= _____ L	= _____
20. 85 km	= _____ mm	= _____
21. 980 kHz	= _____ Hz	= _____
22. 25 mL	= _____ cL	= _____
23. 260 hm	= _____ m	= _____
24. 25.2 kg	= _____ cg	= _____
25. 1.3 m	= _____ km	= _____
26. 72.6 g	= _____ kg	= _____
27. 3.5 kW	= _____ W	= _____
28. 24.6 km	= _____ Mm	= _____
29. 2556 μ m	= _____ m	= _____
30. 0.00032 mm	= _____ μ m	= _____
31. 653 000 m	= _____ Mm	= _____

Answers:

1.	3 s	=	$\frac{3000}{1}$	ms	=	3.00×10^3
2.	50 mL	=	$\frac{0.05}{1}$	L	=	5.00×10^{-2}
3.	2 L	=	$\frac{2\,000\,000}{1}$	μ L	=	2.00×10^6
4.	25 kg	=	$\frac{25\,000}{1}$	g	=	2.50×10^4
5.	3 Mm	=	$\frac{3\,000\,000}{1}$	m	=	3.00×10^6
6.	2 dL	=	$\frac{0.2}{1}$	L	=	2.0×10^{-1}
7.	7 μ s	=	$\frac{0.007}{1}$	ms	=	7.0×10^{-3}
8.	51 kg	=	$\frac{51\,000\,000}{1}$	mg	=	5.10×10^7
9.	3125 μ L	=	$\frac{0.000\,003\,125}{1}$	kL	=	3.125×10^{-6}
10.	1.7 μ g	=	$\frac{0.000\,17}{1}$	cg	=	1.70×10^{-4}
11.	23 W	=	$\frac{0.023}{1}$	kW	=	2.3×10^{-2}
12.	0.9723 Hz	=	$\frac{972.3}{1}$	mHz	=	9.723×10^2
13.	0.59283 μ mol	=	$\frac{0.000\,000\,592\,83}{1}$	mol	=	5.9283×10^{-7}
14.	2.6574 J	=	$\frac{2\,657\,400}{1}$	μ J	=	2.6574×10^6
15.	239.4043 mg	=	$\frac{0.000\,239}{1}$	kg	=	2.39×10^{-4}
16.	450 mg	=	$\frac{0.450}{1}$	g	=	4.50×10^{-1}
17.	63.5 m	=	$\frac{6350}{1}$	cm	=	6.350×10^3
18.	26.4 dm	=	$\frac{0.00\,264}{1}$	km	=	2.64×10^{-3}
19.	250.6 mL	=	$\frac{0.2506}{1}$	L	=	2.506×10^{-1}
20.	85 km	=	$\frac{85\,000\,000}{1}$	mm	=	8.50×10^7
21.	980 kHz	=	$\frac{980\,000}{1}$	Hz	=	9.80×10^5
22.	25 mL	=	$\frac{2.5}{1}$	cL	=	2.5×10^0
23.	260 hm	=	$\frac{260\,00}{1}$	m	=	2.60×10^4
24.	25.2 kg	=	$\frac{2\,520\,000}{1}$	cg	=	2.52×10^6
25.	1.3 m	=	$\frac{0.0013}{1}$	km	=	1.3×10^{-3}
26.	72.6 g	=	$\frac{0.0726}{1}$	kg	=	7.26×10^{-2}
27.	3.5 kW	=	$\frac{3500}{1}$	W	=	3.500×10^3
28.	24.6 km	=	$\frac{0.0246}{1}$	Mm	=	2.46×10^{-2}
29.	2556 μ m	=	$\frac{0.002\,556}{1}$	m	=	2.556×10^{-3}
30.	0.00032 mm	=	$\frac{0.32}{1}$	μ m	=	3.2×10^{-1}
31.	653 000 m	=	$\frac{0.653}{1}$	Mm	=	6.53×10^{-1}