

CONVERSION PRACTICE

1 km = 0.621 miles	1 gallon = 3.784 L	1 lb = 454 g	°C = $(\frac{5}{9})(F-32)$
1 mile = 5280 feet	1 L = 1000 cm ³	1 kg = 1000 g	K = °C + 273.15
1 foot = 12 inches	1 ml = 1 cm ³		
1 inch = 2.54 cm		1 acre = 0.405 ha	1 ppm = 1 mg/kg
		1 acre = 43560 ft ²	
Handy thought: A lot of metric units were devised around water. 1 ml of water weighs 1 gram and has a volume of 1 cm ³ . 1 L of water has a volume of 1000 cm ³ , is 1000 ml, and weighs 1000 g, or 1 kg.			

Complete the table using the conversion factors above.

1	3 km	miles	38	678 L/min	L/hour
2	4 feet	inches	39	80.7 mi/h	m/s
3	10 inches	cm	40	5.7 m/s	cm/h
4	3.784 gallons	L	41	71 cm/h	m/s
5	17.5 ml	cm ³	42	809 cm/s	km/h
6	7 miles	km	43	3.1 in/h	mi/s
7	2.4 lbs	kg	44	415 ft/min	m/s
8	2.4 kg	lbs	45	0.09 mi/min	km/h
9	224 g	kg	46	57.9 in/min	m/s
10	10 m ²	km ²	47	73.6 km/h	mi/h
11	100 cm	km	48	908 L/h	gal/min
12	16.9 L	gallons	49	365 cm ³ /h	L/h
13	4 feet	m	50	0.84 gal/min	L/h
14	67 cm ³	in ³	51	5.47 L/h	cm ³ /min
15	5298 in	km	52	58 cm ³ /s	gal/h
16	3.2 km	in	53	212 °F	°C
17	16.3 L	gallons	54	0 °F	°C
18	235 mg	kg	55	22 °F	°C
19	85 cm	km	56	-75 °F	°C
20	226 mm	m	57	-32 °C	K
21	17 ha	acres	58	735 K	°C
22	558 acres	ha	59	1931 K	°C
23	54963 ft ²	acres	60	-24 K	°C
24	285 ft ²	ha	61	0°C	K
25	1736 cm ³	m ³	62	100°C	K
26	0.07 m ³	cm ³	63	-22.7°C	K
27	48 in ³	cm ³	64	100 K	°C
28	107 cm ³	m ³	65	212 K	°C
29	32 min	h	66	90 °F	K
30	32 s	min	67	196 °F	K
31	3 h	min	68	652 ppm	mg/kg
32	3 h	s	69	2853 ppm	g/kg
33	13.5 min	s	70	3 ppm	g/kg
34	7235 s	h	71	7 ppm	mg/g
35	0.36 h	s	72	92 ppm	mg/g
36	0.924 h	min	73	612 mg/g	ppm
37	47.3 min	s	74	71 mg/g	ppm