

Metric Conversion Practice

Use these problems to practice converting between various units in the metric system. The following chart will help you decide which direction and how far to move the decimal point. Remember to move the decimal point to the right when the final unit you want is to the right of the beginning unit. Move the decimal point to the left when the final unit is to the left of the beginning unit. Count the number of places from the beginning unit to your final unit. That tells you how many places to move the decimal point.

G	M	k	h	da	UNIT	d	c	m	μ	n	p
10^9	10^6	10^3	10^2	10^1	10^0	10^{-1}	10^{-2}	10^{-3}	10^{-6}	10^{-9}	10^{-12}

	Change	To
1)	1200 megahertz (MHz)	_____ gigahertz (GHz)
2)	7150 kilohertz (kHz)	_____ megahertz (MHz)
3)	1.4 gigahertz (GHz)	_____ megahertz (MHz)
4)	3.525 megahertz (MHz)	_____ kilohertz (kHz)
5)	3725 kilohertz (kHz)	_____ hertz (Hz)
6)	400 centimeters (cm)	_____ meters (m)
7)	3000 milliamperes (mA)	_____ amperes (A)
8)	3500 millivolts (mV)	_____ volts (V)
9)	500,000 microfarads (μ F)	_____ farads (F)
10)	1,000,000 picofarads (pF)	_____ microfarads (μ F)
11)	25,000,000 picofarads (pF)	_____ farads (F)
12)	25 microhenrys (μ H)	_____ henrys (H)
13)	1270 megahertz (MHz)	_____ gigahertz (GHz)
14)	21.230 megahertz (MHz)	_____ kilohertz (kHz)
15)	28,300 kilohertz (kHz)	_____ megahertz (MHz)
16)	7.150 megahertz (MHz)	_____ kilohertz (kHz)
17)	3700 kilohertz (kHz)	_____ hertz (Hz)
18)	21,000,000 hertz (Hz)	_____ kilohertz (kHz)
19)	28,100,000 hertz (Hz)	_____ megahertz (MHz)
20)	7.100 megahertz (MHz)	_____ hertz (Hz)