

gridlocks – can you unlock the grid?

Multiples of units 1

Before you answer the puzzles below fill in the table of multiples of units using:

1×10^6 kilo centi nano giga 1×10^{-3}

prefix	means (words)	symbol	multiple
deci	tenth	d	1×10^{-1}
	hundredth	c	1×10^{-2}
milli	thousandth	m	
micro	millionth	μ	1×10^{-6}
	thousand millionth	n	1×10^{-9}
	thousand	k	1×10^3
mega	million	M	
	thousand million	G	1×10^9

Gridlock 1

Each row, column and 2 x 2 box contains information about the first four multiples listed above. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

prefix		means (words)	
deci			millionth
	micro		
		centi	milli
means (words)		prefix	

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Gridlock 2

Each row, column and 2 x 2 box contains information about each of the prefixes: deci, centi, milli & kilo.

prefix		multiple	
centi			
		1×10^3	
		tenth	
	m		
symbol		means (words)	

Gridlock 3

Each row, column and 2 x 2 box contains information about each of the prefixes: kilo, mega, giga & nano.

prefix		multiple	
	nano		1×10^9
			1×10^{-9}
k			million
symbol		means (words)	

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deci	tenth	d	1×10^{-1}
centi	hundredth	c	1×10^{-2}
milli	thousandth	m	1×10^{-3}
micro	millionth	μ	1×10^{-6}
nano	thousand millionth	n	1×10^{-9}
kilo	thousand	k	1×10^3
mega	million	M	1×10^6
giga	thousand million	G	1×10^9

Gridlock 1 – answers

prefix		means (words)	
deci	centi	thousandth	millionth
milli	micro	tenth	hundredth
hundredth	thousandth	micro	deci
millionth	tenth	centi	milli
means (words)		prefix	

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Gridlock 2 – answers

prefix		multiple	
centi	kilo	1×10^{-3}	1×10^{-1}
milli	deci	1×10^3	1×10^{-2}
k	c	tenth	thousandth
d	m	hundredth	thousand
symbol		means (words)	

Gridlock 3 – answers

prefix		multiple	
mega	nano	1×10^3	1×10^9
giga	kilo	1×10^6	1×10^{-9}
n	M	thousand million	thousand
k	G	thousand millionth	million
symbol		means (words)	