## gridlocks - can you unlock the grid?

## Multiples of units (16-18)

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

 $1 \times 10^6$  kilo centi nano giga  $1 \times 10^{-3}$ 

prefix	multiple	symbol	prefix	multiple	symbol
deci	1 × 10 <sup>-1</sup>	d	deca	10	da
	1 × 10 <sup>-2</sup>	С	hecto	100	h
milli		m		1 × 10 <sup>3</sup>	k
micro	1 × 10 <sup>-6</sup>	μ	mega		М
	1 × 10 <sup>-9</sup>	n		1 × 10 <sup>9</sup>	G
pico	1 × 10 <sup>-12</sup>	р	tera	1 × 10 <sup>12</sup>	Т

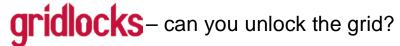
#### **Gridlock 1**

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		multiple	
	deci		1 × 10 <sup>-6</sup>
			1 × 10 <sup>-1</sup>
С			milli
symbol		pre	efix







## **Gridlock 2**

Each row, column and 2 x 2 box contains information about each of the prefixes: hecto, nano, pico & deca.

prefix		multiple	
nano			100
			deca
р			
symbol		pre	efix

## **Gridlock 3**

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

prefix		multiple	
mega			1 × 10 <sup>3</sup>
	Ð		tera
symbol		pre	efix





# gridlocks - can you unlock the grid?

## Multiples of units (16-18) - answers

prefix	multiple	symbol	prefix	multiple	symbol
deci	1 × 10 <sup>-1</sup>	d	deca	10	da
centi	1 × 10 <sup>-2</sup>	С	hecto	100	h
milli	1 × 10 <sup>-3</sup>	m	kilo	1 × 10 <sup>3</sup>	k
micro	1 × 10 <sup>-6</sup>	μ	mega	1 × 10 <sup>6</sup>	М
nano	1 × 10 <sup>-9</sup>	n	giga	1 × 10 <sup>9</sup>	G
pico	1 × 10 <sup>-12</sup>	р	tera	1 × 10 <sup>12</sup>	Т

#### Gridlock 1 - answers

Each row, column and  $2 \times 2$  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		multiple	
milli	deci	1 × 10 <sup>-2</sup>	1 × 10 <sup>-6</sup>
micro	centi	1 × 10 <sup>-3</sup>	1 × 10 <sup>-1</sup>
d	m	micro	centi
С	μ	deci	milli
symbol		pre	efix





# gridlocks - can you unlock the grid?

## Gridlock 2 - answers

prefix		multiple	
nano	pico	10	100
deca	hecto	1 × 10 <sup>-9</sup>	1 × 10 <sup>-12</sup>
h	n	pico	deca
р	da	hecto	nano
symbol		pre	efix

## Gridlock 3 - answers

prefix		multiple	
mega	tera	1 × 10 <sup>9</sup>	1 × 10 <sup>3</sup>
giga	kilo	1 × 10 <sup>12</sup>	1 × 10 <sup>6</sup>
k	G	mega	tera
Т	М	kilo	giga
symbol		pre	efix



