



Scientific Notation Units - Practice

- 1 What is the equivalent name for this power of ten of a unit

$$10^{-3}$$

A milli	B nano	C pico
D mega	E kilo	F micro

- 2 What is the equivalent power of ten for this unit

deci

A 10^{-7}	B 10^{-3}
C 10^{-1}	D 10^2
E 10^4	F 10^{-5}

- 3 What is the equivalent power of ten for this unit prefix

decacandelas

A 10^2 candelas	B 10^{-2} candelas
C 10^3 candelas	D 10^1 candelas
E 10^6 candelas	F 10^{-1} candelas

- 4 What is the equivalent name for this power of ten of a unit

$$10^1 \text{ bytes}$$

A decabytes	B microbytes
C hectobytes	D millibytes
E terabytes	F decibytes

- 5 Convert this number in units to scientific notation

3 millimeters

A 3.00×10^{-9} meters	B 3.00×10^{-5} meters
C 3.00×10^{-6} meters	D 3.00×10^{-3} meters
E 3.00×10^{-1} meters	F 3.00×10^{-4} meters

- 6 Convert this scientific notation number to units

$$1.00 \times 10^{-3} \text{ seconds}$$

A 1 nanoseconds	B 1 seconds
C 1 milliseconds	D 1 picoseconds
E 1 kiloseconds	F 1 megaseconds

- 7 Convert this number in units to scientific notation

3.75 centimeters

A 3.75×10^{-6} meters	B 3.75×10^{-2} meters
C 3.75×10^{-5} meters	D 3.75×10^{-8} meters
E 3.75×10^2 meters	F 3.75×10^{-1} meters

- 8 Convert this scientific notation number to units

$$9.61 \times 10^6 \text{ seconds}$$

A 9.61 kiloseconds	B 9.61 megaseconds
C 9.61 deciseconds	D 9.61 milliseconds
E 9.61 seconds	F 9.61 teraseconds

**Scientific Notation Units - Practice****9** Convert this number in units to scientific notation**9 teragrams**A 9.00×10^{11} gramsB 9.00×10^{10} gramsC 9.00×10^{17} gramsD 9.00×10^{14} gramsE 9.00×10^{12} gramsF 9.00×10^9 grams**10** Convert this scientific notation number to units 3.00×10^{12} watts

A 3 deciwatts

B 3 terawatts

C 3 megawatts

D 3 kilowatts

E 3 petawatts

F 3 milliwatts

11 Convert this number in units to scientific notation**89.1 megagrams**A 8.91×10^{10} gramsB 8.91×10^9 gramsC 8.91×10^6 gramsD 8.91×10^7 gramsE 8.91×10^5 gramsF 8.91×10^1 grams**12** Convert this number in units to scientific notation**0.451 megameters**A 4.51×10^{10} metersB 4.51×10^9 metersC 4.51×10^5 metersD 4.51×10^4 metersE 4.51×10^3 metersF 4.51×10^1 meters**13** Convert this scientific notation number to units 2.97×10^{-1} grams

A 297 picograms

B 297 teragrams

C 297 grams

D 297 gigagrams

E 297 micrograms

F 297 milligrams

14 Convert this number in units to scientific notation**6.83 gigabytes**A 6.83×10^9 bytesB 6.83×10^{12} bytesC 6.83×10^8 bytesD 6.83×10^7 bytesE 6.83×10^4 bytesF 6.83×10^6 bytes**15** Convert this scientific notation number to units 4.07×10^9 seconds

A 4.07 deciseconds

B 4.07 petaseconds

C 4.07 centiseconds

D 4.07 gigaseconds

E 4.07 microseconds

F 4.07 seconds

16 What is the abbreviation for this prefix?**giga**

A G

B M

C k

D T

E (base)

**Scientific Notation Units - Practice****17** Convert this number in units to scientific notation**404 teragrams**

- | | |
|-------------------------------|-------------------------------|
| A 4.04×10^{14} grams | B 4.04×10^{18} grams |
| C 4.04×10^{17} grams | D 4.04×10^8 grams |
| E 4.04×10^9 grams | F 4.04×10^{10} grams |

18 What is the power of 10 for this prefix?**giga**

- | | | |
|-------------|----------|----------|
| A 10^{12} | B 10^6 | C 10^9 |
| D 10^0 | E 10^3 | |

19 Convert this number in units to scientific notation**0.0888 teraamps**

- | | |
|------------------------------|------------------------------|
| A 8.88×10^9 amps | B 8.88×10^{10} amps |
| C 8.88×10^{15} amps | D 8.88×10^{14} amps |
| E 8.88×10^8 amps | F 8.88×10^4 amps |

20 Convert this scientific notation number to units 3.92×10^{14} seconds

- | | |
|--------------------|-------------------|
| A 392 deciseconds | B 392 kiloseconds |
| C 392 milliseconds | D 392 teraseconds |
| E 392 gigaseconds | F 392 petaseconds |

21 What is the prefix for this abbreviation?**k (ie kg, km)**

- | | |
|--------|----------|
| A giga | B mega |
| C kilo | D (base) |
| E tera | |

22 What is the power of 10 for this abbreviation?**G (ie Gg, Gm)**

- | | | |
|----------|----------|-------------|
| A 10^9 | B 10^6 | C 10^{12} |
| D 10^0 | E 10^3 | |

23 What is the abbreviation for this prefix?**nano**

- | | |
|---------|----------|
| A μ | B (base) |
| C n | D p |
| E m | |

24 What is the abbreviation for this power of 10?
 10^9

- | | |
|-----|----------|
| A T | B G |
| C M | D (base) |
| E k | |



Scientific Notation Units - Practice

25 What is the power of 10 for this prefix?

milli

A 10^{-6}	B 10^{-9}
C 10^{-3}	D 10^0
E 10^{-12}	

26 What is the prefix for this power of 10?

10^9

A (base)	B tera
C mega	D giga
E kilo	

27 What is the prefix for this abbreviation?

μ (ie μg , μm)

A (base)	B micro
C milli	D nano
E pico	

28 What is the power of 10 for this abbreviation?

m (ie mg, mm)

A 10^{-6}	B 10^{-9}
C 10^{-3}	D 10^0
E 10^{-12}	

29 What is the abbreviation for this power of 10?

10^{-12}

A n	B μ
C m	D p
E (base)	

30 What is the prefix for this power of 10?

10^{-9}

A milli	B nano
C pico	D micro
E (base)	