

1 example

1 prefix

2 example

2 prefix

3 example

3 prefix

4 example

5 example

6 example

6 prefix

deka-

my house

hecto-

sports field, Great Pyramid

kilo-

neighborhood

Bay Area, large city

Mt. Everest

mega-

California, large state

6.5 example

7 example

8 example

8.5 example

9 example

9 prefix

10 example

11 example

12 example

12 prefix

Earth, Jupiter's Great Red Spot

Moon

light second

Jupiter

giga-

Moon orbit, Sun

Earth orbit (1 AU)

4 days of Earth orbit

tera-

Jupiter orbit (5 AU), Betelgeuse

13 example

14 example

15 prefix

16 example

16 unit

16.5 example

17 example

18 example

18 prefix

19 example

heliopause (maximum likely)

Solar system

Oort cloud

peta-

distance to nearest stars

light year

globular star cluster (M3)

Crab Nebula (M1)

distance to Orion Nebula (M42)

exa-

20 example

21 example

21 prefix

22 example

23 example

24 example

24 prefix

25 example

26 example

-1 example

Milky Way Galaxy (diameter)

Magellanic Cloud (either one)

distance to Andromeda Galaxy

zetta-

Local Supercluster

Local Group (galaxy cluster)

Great Wall

yotta-

my hand

the known universe

-1 prefix

-2 example

-2 prefix

-3 example

-3 prefix

-4 example

-5 example

-6 example

-6 prefix

-6 unit

my finger tip, pebble

deci-

pencil tip, sand grain

centi-

thickness of human hair

milli-

bacterium, red light wave

cloud droplet, human cell

micron

micro-

-7 example

-8 example

-9 example

-9 prefix

-10 example

-10 unit

-11 example

-12 prefix

-13.5 example

-14 example

thickness of flagellum

smoke particle

nano-

thickness of DNA helix

angstrom

atom

pico-

hard X-ray wave

nucleus of lead

typical atom nucleus

-15 example

-15 prefix

-18 example

-18 prefix

-21 prefix

-24 prefix

femto-

proton, neutron

atto-

electron, quark

yocto-

zepto-