

Planetary Fact Sheet - Ratio to Earth Values

http://nssdc.gsfc.nasa.gov/planetary/factsheet/planet_table_ratio.html

I have rounded off all numbers significantly so you get the general idea. Go to the web address above for the full numbers if you're interested.

	MERCURY	VENUS	EARTH	MOON	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO
Mass	0.06	0.8	1	0.01	0.1	318	95	14.5	17	0.003
Diameter	0.4	0.9	1	0.3	0.5	11	9.5	4	3.8	0.2
Gravity	0.4	0.9	1	0.2	0.4	2.4	0.9	0.9	1	0.07
Length of Day	176	117	1	30	1.03	0.4	0.4	0.7	0.7	6.4
Distance from Sun	0.4	0.7	1	*	1.5	5	9.6	19	30	39.5
Length of Year	0.2	0.6	1	*	1.9	12	29	84	164	248
Orbital Velocity	1.6	1.2	1	*	0.8	0.4	0.3	0.2	0.18	0.16
Number of Moons	0	0	1	0	2	67	62	27	14	5
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown

Moons you need to know:

- Mercury and Venus DO NOT HAVE MOONS
- Earth (the Moon)
- Mars (Phobos, Deimos)
- Asteroid Ida (Dactyl)
- Jupiter (Io, Europa, Callisto, Ganymede)
- Saturn (Titan, Iapetus, Enceladus, Mimas)
- Uranus (Miranda)
- Neptune (Triton)
- Pluto (Charon, Nix, Kerberos, Styx)
- Eris (Dysnomia)

Small bodies you need to know:

- Asteroids:
 - o Ceres (also a dwarf planet!)
 - o Vesta
 - o Ida
- Dwarf Planets
(know Pluto, Eris, and one more)
 - o Pluto
 - o Eris
 - o Makemake
 - o Quaoar
 - o Haumea
 - o Sedna

Year	Events	Planet count
Since antiquity	Geocentric: Moon, Sun, Mercury, Venus, Mars, Jupiter, Saturn	7
1550	Heliocentric: not Earth, Moon, Sun	6
1781	Uranus	7
1801-1807	Ceres, Pallas, Juno, Vesta	11
1845	Astraea	12
1846	Neptune	13
1851	Ceres, etc., "minor planets" (Asteroid Belt)	8
1930	Pluto	9
1978	Charon*	9?
1992-1999	Discovery of 1992 QB1	9?
2000-2005	Discovery of Eris & others	9?
2006	Classification of Pluto, Eris, Ceres, etc., as "dwarf planets"	8

<https://astrosociety.org/edu/publications/tnl/70/pluto.html>

