## Caleulate Sour Welght On Other Worlds



Mercury is the smallest planet, and the planet closest to the sun.
The gravity of Mercury is $38 \%$ of Earth's gravity.
To calculate your weight on Mercury, multiply your weight by 0.38 .



Venus is known as the "Cloudy Planet" because it is covered with thick, yellow clouds. The gravity of Venus is $90 \%$ of Earth's gravity. To calculate your weight on Venus, multiply your weight by 0.9 .

$\overline{\text { (Your Weight on Earth) }}$|  |
| :--- |
| (units - lbs or kg) |



The Earth's moon is the only heavenly body that people have walked on. The gravity of the moon is $17 \%$ of Earth's gravity. To calculate your weight on the Moon, multiply your weight by 0.17.



Mars is known as the "Red Planet" because the soil is filled with orange-red particles. The gravity of Mars is $38 \%$ of Earth's gravity. To calculate your weight on Mars, multiply your weight by 0.38 .


Jupiter has more moons than any other planet. So far, scientists have discovered 63! The gravity of Jupiter is $234 \%$ of Earth's gravity. To calculate your weight on Jupiter, multiply your weight by 2.34 .



Saturn is known as the "Ringed Planet" because it has colorful rings made of rock and ice. The gravity of Saturn is $108 \%$ of Earth's gravity.
To calculate your weight on Saturn, multiply your weight by 1.08 .


Uranus spins sideways. It's north pole and south pole are on the sides.
The gravity of Uranus is $80 \%$ of Earth's gravity.
To calculate your weight on Uranus, multiply your weight by 0.80 .


Neptune is a blue planet with extremely strong winds.
The gravity of Neptune is $112 \%$ of Earth's gravity.
To calculate your weight on Neptune, multiply your weight by 1.12.


Scientists no longer consider Pluto a planet. It's now a considered a "Dwarf Planet." The gravity of Pluto is $.05 \%$ of Earth's gravity.
To calculate your weight on Pluto, multiply your weight by 0.05 .


How much more would you weigh on Jupiter than Earth? Show your work.
answer: $\qquad$

How much less would you weigh on Pluto than Earth? Show your work.
answer: $\qquad$

Would you weigh more on the Earth's moon, or on Mercury? answer: $\qquad$

