

# How Old Would You Be On Other Planets?

Your birthday is actually a celebration of a trip made by the Earth around the Sun one time. For each trip around our star we “age” one year or at least that is how we express it. How “old” are you on the other eight planets in our solar system?

1. Calculate your age in Earth days (your age x 365): \_\_\_\_\_
2. For the terrestrial planets, divide your age in Earth days by the number of Earth day’s in a planet’s year. The answer is your “new” age on that planet.

Example for Mercury - for a person 20 years old on Earth:

$$20 \times 365 = 7,300 \text{ Earth days}$$

$$7,300 / 88 = 83$$

3. For the outer planets, find the number of Earth days in each planet’s year. Then divide your age in Earth days by the number of Earth days in that planet’s year.

Example for Jupiter - for a person 20 years old on Earth:

$$20 \times 365 = 7,300 \text{ Earth days}$$

$$12 \text{ Earth years} \times 365 \text{ Earth days per year} = 4,380 \text{ Earth days in one Jupiter year}$$

$$7,300 / 4,380 = 1.7$$

4. Follow the example and fill in the blanks in the “New” Age Chart.

Terrestrial Planets	Approximate length of year:	Your "new" age
Mercury	88 Earth days	
Venus	225 Earth days	
Earth	365 Earth days	
Mars	687 Earth days	

Outer Planets	Approximate length of year:	Your "new" age
Jupiter	12 Earth <i>years</i>	
Saturn	29.5 Earth <i>years</i>	
Uranus	84 Earth <i>years</i>	
Neptune	165 Earth <i>years</i>	
Pluto	248 Earth <i>years</i>	