How old am I on Jupiter? Birthdays on other worlds

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One year on Jupiter is 11.9 Earth years, so an 8-year-old is about 0.67 there. Ages on every planet from NASA's numbers, and the card that works yours out.

One year on Jupiter, one trip around the Sun, takes about 11.9 Earth years, by NASA's planetary fact sheet. So a child who is 8 on Earth is about 0.67 Jupiter years old, and won't have a first Jupiter birthday until nearly 12. On Mercury, where a year is 88 Earth days, the same child is about 33. Peabody's My Space Card works out your age on all eleven worlds from a birthday picked from three menus, and nothing you pick leaves your device.

What a year is

A year is one trip around the Sun. Earth's takes 365 and a quarter days. Planets closer to the Sun have a shorter, faster trip; planets further out have a longer, slower one. Your age on a world is simply how many of that world's years you have been alive.

An 8-year-old on every world

By NASA's year lengths, rounded the way the card rounds:

- World: Mercury · One year there: 88 Earth days · An 8-year-old is about: 33.2
- World: Venus · One year there: 225 Earth days · An 8-year-old is about: 13.0
- World: Earth · One year there: 365 Earth days · An 8-year-old is about: 8.0
- World: Mars · One year there: 687 Earth days · An 8-year-old is about: 4.3
- World: Jupiter · One year there: 11.9 Earth years · An 8-year-old is about: 0.67
- World: Saturn · One year there: 29.4 Earth years · An 8-year-old is about: 0.27
- World: Uranus · One year there: 83.7 Earth years · An 8-year-old is about: 0.10
- World: Neptune · One year there: 164 Earth years · An 8-year-old is about: 0.05
- World: Pluto · One year there: 248 Earth years · An 8-year-old is about: 0.03

The Moon travels around the Sun with Earth, so your Moon age is your Earth age. The Sun goes around nothing, so it has no year to count in; the card says so.

Birthdays, counted out

- Mercury: a birthday every 88 days, about four a year.
- Venus: a little more often than every eight months.
- Mars: about every 23 months, so roughly every other Earth birthday.
- Jupiter: the first one comes at nearly 12.
- Saturn: the first at about 29.

- Neptune and Pluto: nobody alive has had one. Pluto hasn't gone around the Sun once since it was found in 1930.

Days are different too

A day is one spin, sunrise to sunrise. That's different from a year, and on some worlds it's very different:

- Jupiter's day is only 9.9 hours. A whole day and night there would fit between breakfast and dinner on Earth.
- Mars's day is 24.7 hours, the closest to ours.
- Venus's day lasts 117 Earth days, and it spins backwards, so the Sun would rise in the west.
- Mercury's day lasts 176 Earth days, longer than its 88-day year: two birthdays between one sunrise and the next.

The days and years quiz turns this into ten three-box questions, read aloud.

How the card works

A child picks a month, a day and a year from three menus, or taps Skip. The card counts the whole days they have been alive, then divides by each world's year. It shows one decimal from 1 up and two below, so a 0.67 on Jupiter doesn't round down to nothing. The same card does weight on every world, as a game number; our post on weight on Mars explains that half.

Nothing is sent anywhere. The birthday is used on the page to draw the cards and is kept on the device only if your child taps "Keep my card".

Questions to ask at the table

1. Which world gives you the most birthdays? (Mercury.)
2. On which world would a grown-up still be a baby? (Any from Jupiter out.)
3. If you lived on Mars, how old would you be on your next Earth birthday? (Work it out with the card.)

Three questions grown-ups ask

Where do the numbers come from? NASA's planetary fact sheets, checked on 29 October 2026. The card divides the days you've been alive by each world's year in Earth days.

Why does the card count days and not years? So that every child's age is exact to the day, and a birthday tomorrow changes the numbers tomorrow.

Does my child have to give a real birthday? No. Any date works, or none: skip it and the card still draws.

Peabody (peabody.kids) is free through the end of 2026, with no ads and no sign-up. The library has stories at your child's reading level.

Sources

- NASA, planetary fact sheets: year and day lengths for each world, checked 29 October 2026.
- NASA's Jupiter fact sheet: an orbit of 4,331 Earth days.

Free at peabody.kids/blog/how-old-am-i-on-jupiter