

Your Age on Other Planets

On Earth we measure our age by the number of years we have lived.

A year on Earth is the time it takes for the Earth to travel once around the Sun. During this time, the Earth will have spun around on its axis 365.26 times (days).

But what if Earth didn't take 365.26 days to travel around the Sun? Mercury takes just under 88 Earth days to travel around the sun. For every one Earth year, over four Mercury years have already passed. In theory, a child on Mercury would be four years old before a child on Earth is one year old!

Work out how old you would be, if you lived on another planet in our solar system, by completing the graph below.



| Your age if you lived on ... | |
|------------------------------|--|
| Mercury | $\frac{\text{your age}}{\text{your age}} \times 365.26 \div 87.96 = \underline{\hspace{2cm}}$ |
| Venus | $\frac{\text{your age}}{\text{your age}} \times 365.26 \div 224.68 = \underline{\hspace{2cm}}$ |
| Mars | $\frac{\text{your age}}{\text{your age}} \times 1.88 = \underline{\hspace{2cm}}$ |
| Jupiter | $\frac{\text{your age}}{\text{your age}} \times 11.862 = \underline{\hspace{2cm}}$ |
| Saturn | $\frac{\text{your age}}{\text{your age}} \times 29.456 = \underline{\hspace{2cm}}$ |
| Uranus | $\frac{\text{your age}}{\text{your age}} \times 84.07 = \underline{\hspace{2cm}}$ |
| Neptune | $\frac{\text{your age}}{\text{your age}} \times 164.81 = \underline{\hspace{2cm}}$ |



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