
Jupiter, the 5th Planet from the Sun.

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The other day my son brought home his science work, which stated that Jupiter, the **5th** planet from the Sun, had an orbit of **778.5** million km from it. That was pretty astonishing given that the Sun's surface temperature is **5778K** and that **5778** is the year the tzaddikim have prophesied for the final redemption (Geula), and that the [Earth's hundred-year average temperature](#) is swiftly approaching **57.78** degrees F. So I looked it up:

[Semi-major axis](#)

778,547,200 km (5.204267 AU)

[Eccentricity](#)

0.048775

Thanks to wikipedia, I quickly learned that my son's teacher was



correct, and that Jupiter's eccentricity is **.048775**, which also includes **5778** just in reverse order. We'll get into the significance of the temperature soon in a larger article on the important subject, but I just wanted to throw out the question why Jupiter (Zedek)?

What is the spiritual and physical relationship that binds Jupiter to



the Sun and to us on Earth that it was undeniably tied into [the Divine Calendar](#) which counts the **5778** times the Earth will have circled the Sun from Adam to Moshiach (the Messiah) and the **3330** times since the reception of the Torah at Sinai?

Please note in the information supplied by wikipedia (and re-verified) that the Sun has a mass approximately **333,000** times Earth's.

Moreover, Jupiter has the same density as the Sun and its radius is **1/10th** that of the Sun and its mass **1/1000th**.

To further aid us in determining the spiritual link between the Earth, Sun and Jupiter is the wiki-fact that while Jupiter (the **5th** planet) is much larger volume-wise than the Earth its mass is only **318** times as great, and that **318** is both the number of men Abraham sent to battle the **5** Kings and is the sum of the initials of the **5** parts of the soul.

Oh, and Jupiter's magnetic field is **4.2 gauss** (0.42 mT) at the equator, 14 times as strong as Earth's, which is interesting given that the tzaddim have said that [the understanding of the 42-Letter Name of G-d](#) is what will held bring about the final redemption.

That's enough from me. So why Jupiter?

Jupiter is the fifth [planet](#) from the [Sun](#) and the [largest](#) planet within the [Solar System](#)

Although this planet dwarfs the Earth with a diameter 11 times as great, it is considerably less dense. Jupiter's volume is equal to 1,321 Earths, yet the planet is only 318 times as massive.^{[5][21]} Jupiter has a radius equal to 0.10 times the [radius of the Sun](#),^[22] and has a mass of 0.001 times the [mass of the Sun](#), making them approximately equal in density.

Jupiter's broad [magnetic field](#) is 14 times as strong as the Earth's, **4.2 gauss** (0.42 mT) at the equator.

The **solar mass** (M_{\odot}), 1.98892×10^{30}

[kg](#), is the standard [unit of mass](#) in [astronomy](#), used to indicate the masses of other [stars](#) and [galaxies](#). It is equal to the mass of the [Sun](#), about two [nonillion kilograms](#) or about 332,950 times the mass of the [Earth](#) or 1,048 times the mass of [Jupiter](#).

The first person to estimate the mass of the Sun was [Isaac](#)



[Newton](#), a known Kabbalist. In his work [Principia](#), he estimated that the ratio of the mass of the Earth to the Sun was about 1/28,700. Later he determined that this value was based upon a faulty value for the solar parallax, which was used to estimate the distance to the Sun (1 AU). He revised his result to obtain a ratio of 1/169,282 in the third edition of the *Principia*. The current value for the solar parallax is smaller still, giving the correct mass ratio of 1/332,946.^[5]