
Solar System Dimensions

How big is the Solar System?

It's hard to grasp just how big it is. For example, the sun is 865,000 miles in diameter and the solar system is trillions of miles across. OK? That's not a human scale, my brain has no idea how big that is. Let's fix it. (PSSSREUORrrrrr...shrink ray noise!)

How many planets are in our Solar System?

Pluto (lower right) and its biggest moon Charon (upper left). Composite of images taken by New Horizons on July 14, 2015. Image by NASA. Unless you're pretty young, you learned in school that our solar system consists of nine planets.

How big is the Sun?

It is a star that resides at the center of the solar system, and its heat and light sustain life on Earth. The sun has a diameter of about 1.4 million kilometers, which is more than 100 times the diameter of Earth. It is also massive, with a total mass of about 1.99×10^{30} kilograms.

Our solar system's largest planet is an average distance of 484 million miles (778 million kilometers) from the Sun. That's 5.2 AU. Jupiter is the largest of the planets, spanning ...

Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own ...

The Earth is located in a planetary system we call the solar system located in one of the four spiral arms of the Milky Way galaxy. Our solar system consists of 4 inner planets (...

How big is the Solar System? Short answer: The Solar System is a disc shape, 244 astronomical units wide (244 times the distance from the Sun to the Earth, or about 36.6 billion km). Long ...

Many images of the solar system do not do justice to how small the planets are relative to the Sun, or how distant they are from the Sun and each other. The solar system is really mostly ...

Key distances and sizes in the basketball-scale solar system: Sun: basketball, 24 cm diameter, placed at the goal line. Mercury: tiny pinhead, 0.9 mm, 11 yards from Sun.

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