

Here are some numerical facts about the International Space Station (ISS) :

1. Altitude: The ISS orbits Earth at an average altitude of approximately 420 kilometers (261 miles).
2. Speed: The ISS travels at an average speed of about 28,000 kilometers per hour (17,500 miles per hour).
3. Weight: The ISS has a mass of approximately 420,000 kilograms (925,000 pounds).
4. Size: The ISS is large, with its solar arrays spanning about 73 meters (240 feet) tip to tip. Its living and working space is equivalent to that of a five-bedroom house.
5. Modular Structure: The ISS is made up of multiple interconnected modules. There are Russian, American, European, Japanese, and Canadian modules contributing to the station's structure.
6. Crew Capacity: The ISS can host a crew of six astronauts and cosmonauts at a time.
7. Orbital Period: The ISS completes one orbit around Earth approximately every 90 minutes.
8. Microgravity: Despite its size and mass, the ISS provides an environment of microgravity, creating conditions for experiments and research in a weightless environment.
9. Launches and Assembly: The ISS was assembled piece by piece in orbit. The first module, Zarya, was launched on November 20, 1998, and the station has been continuously inhabited since November 2, 2000.
10. Solar Power: The ISS is powered by large solar arrays, generating around 84 to 120 kilowatts of electricity, depending on its orientation to the Sun.
11. Experiments: Over 3,000 experiments from researchers in more than 100 countries have been conducted on the ISS, covering various scientific disciplines, including biology, astronomy, physics, and materials science.
12. Cost: The estimated cost of the ISS, including assembly, maintenance, and operations, is in the range of \$100 billion USD.