



π IN THE SKY

Pi isn't just a fancy number. It actually powers NASA spacecraft, keeps the Mars rover's wheels spinning, lets us peer beneath the clouds of Jupiter and gives us new perspectives on Earth. You might say pi is flying all over our skies. Can you solve these stellar math problems that keep NASA spacecraft doing what they do best? Hint: Pi guides the way.



The Soil Moisture Active Passive, or SMAP, satellite is designed to image 1,000-kilometer-wide swaths of Earth from a near-polar, sun-synchronous orbit 685 kilometers above Earth's surface. **How many days will it take SMAP to image all of Earth's surface?**

* You may disregard any overlap that may occur