Ready for Lift-Off

Think

What is this rocket carrying? Who is onboard? Where are they going?

Respond

Write a checklist for going into space. What will you need to survive?

Solve

Russian cosmonaut Valeri Polyakov spent 437 days, 17 hours, 58 minutes aboard the Mir space station from January 1994 to March 1995. How many full weeks is that? How many hours?

Reimagine

Build a model space capsule with a parachute. Test the parachute to see if it brings the rocket safely back to earth.

Discuss

Will humanity need to live in space in the future? Why? What will humans need to survive in space?

Discover

Fact: This will be the first manned space mission to launch from the USA since 2011.

Question: How many NASA astronauts have been into space? How many people have been into space in total?

Ready for Lift-Off **Answers**

How many full weeks is that?
He spent 437 days, 17 hours, 58 minutes in space. To calculate how many full weeks, divide the number of days by seven: 437 ÷ 7 = 62 remainder 3 He spent 62 full weeks in space.
How many hours?
There are 24 hours in a day: 437 × 24 = 10 488 Add the remaining hours: 10 488 + 17 = 10 505 hours (and 58 minutes)