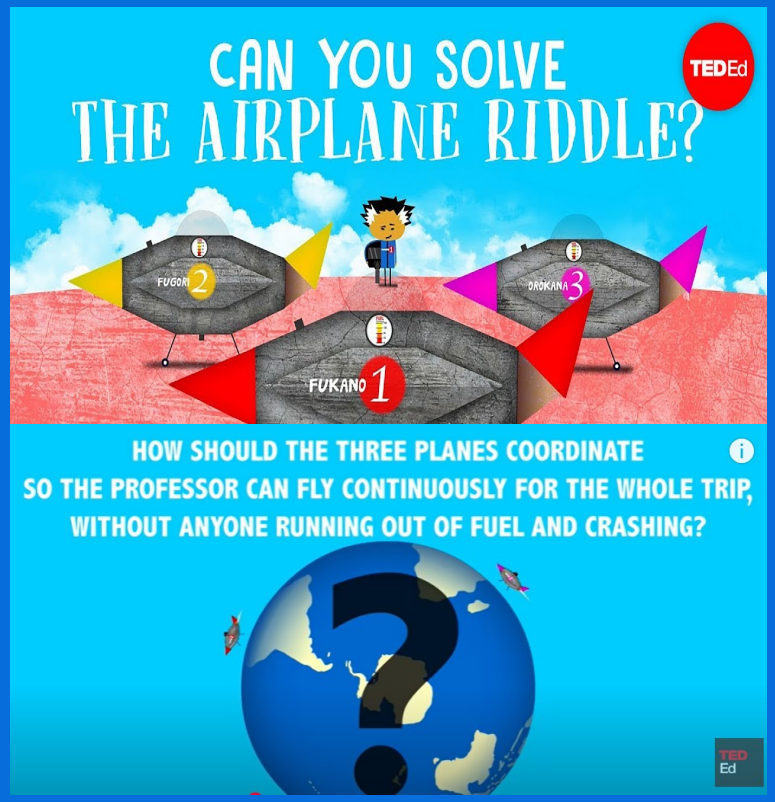
The Airplane Riddle

00:00-01:37



1. The professor's plane must make a single continuous trip around the world without landing or turning around.

2. Each plane can travel exactly 1 degree of longitude in 1 minute for every kiloliter of fuel. Each can hold a maximum of 180 kiloliters of fuel.

3. Any plane can refuel any of the others in mid-air by meeting at the same point and instantly transferring any amount of fuel.

4. Fugori and Orokana's planes can turn around instantaneously without burning fuel.

5. Only one airport is available for any of the planes to land, take off, or refuel.

6. All three planes must survive the experiment, and none may run out of fuel in mid-air.

Vocabulary

un huitième: .....
un voyage: .....
atterrir: .....
décoller: .....
atteindre: .....
être plein de:.....
contenir: .....
se ravitailler (en carburant): .....
une jauge: .....
invariablement: .....
à condition que: .....
être à court de, venir à manquer de: .....
de justesse, de peu, à un cheveu près: .....
réussir, y arriver: .....

Stress Placement

coordinate
calculate
calculations
permission
located
continuously
professor
identical
experiment

Hypotheses :