// Import readline-sync below:

const input = require('readline-sync');

// Define your three shuttle variables below:

let startingFuelLevel = 0;

let numberAstronautsAboard = 0;

let altitudeShuttleReaches = 0;

let continueLoop = 'true';

// Part 1:

while (continueLoop === 'true') {

startingFuelLevel = Number(input.question('Enter starting fuel level: '));

if (startingFuelLevel > 5000 && startingFuelLevel < 30000) {

continueLoop = 'false';

}

}

continueLoop = 'true';

while (continueLoop === 'true') {

numberAstronautsAboard = Number(input.question('Enter the number of astronauts aboard: '));

if (numberAstronautsAboard >= 1 && numberAstronautsAboard <=7) {

continueLoop = 'false';

}

}

let currentFuelLevel = startingFuelLevel;

// console.log('Starting Fuel Level: ', startingFuelLevel);

// console.log('Current Fuel Level: ', currentFuelLevel);

// console.log('Number of Astronauts: ',numberAstronautsAboard);

while (currentFuelLevel > 100 \* numberAstronautsAboard) {

// console.log(currentFuelLevel);

currentFuelLevel = currentFuelLevel - (100 \* numberAstronautsAboard);

altitudeShuttleReaches = altitudeShuttleReaches + 50;

// console.log(altitudeShuttleReaches);

}

// Part 2:

if (altitudeShuttleReaches >= 2000) {

console.log(`The shuttle gained an altitude of ${altitudeShuttleReaches} km. Orbit achieved!`);

} else {

console.log(`The shuttle gained an altitude of ${altitudeShuttleReaches} km. Failed to reach orbit.`);

}