// QuartsPerGallons.java

class QuartsPerGallons {

public static void main(String[] args) {

final int QuartsPerGallon = 4; //constant value of quarts in gallon

int quartsNeeded = 18; // quarts needed

int gallons = quartsNeeded / QuartsPerGallon; // the amount of gallons quotient

int quarts = quartsNeeded % QuartsPerGallon; // the remainder of quarts left

System.out.println("A job that needs " + quartsNeeded + " quarts requires " + gallons + " gallons plus " + quarts + " quarts"); // message display

}

}