Date:

Q13:- N-M size die hard jug problem.

IPO

Input	Process	Output
• M size Jug • N size Jug • Desired Q quantity	① Calculate GCD of M and N. ② Check if Q is multiple of GCD calculated. ③ Check if Q is less than, or equal to larger sized jug. ④ Calculate if Q can be measured with M sized Jug & N sized Jug.	① Possible ② Not possible

PSEUDOCODE

```
START
    INPUT M size Jug
    INPUT N size Jug
    Desired Q quantity
Calculate GCD of M and N:        AND Q<=N
IF Q%GCD ==0  AND  Q<=M,          THEN
        PRINT "possible"
  ELSE
        PRINT "Not possible"
END
```

FLOWCHART

Date: