

Q12:

Defuse the bomb.

Date: _____

IPO

Input	Process	Output
(i) 5 liter jug (ii) 3 liter jug (iii) Unlimited water source	① Completely fill the 5 liter jug. ② Pour water from 5 liter jug to 3 liter jug until it is full. ③ Empty the 3 liter jug. ④ Pour remaining water from 5 liter jug into 3 liter jug. ⑤ Now fill the 5 liter jug again completely. ⑥ Pour water from 5 liter jug to 3 liter jug until it is full. ⑦ Only 4 liters will be left in 5 liter jug.	4 liters in 5 liter jug.

PSEUDOCODE

- ① START
- ② INPUT 5 liter jug
- ③ INPUT 3 liter jug
- ④ INPUT unlimited water
- ⑤ Fill 5 liter jug completely.
- ⑥ Fill 3 liter jug completely from 5 liter-jug.
- ⑦ Empty 3 liter jug.

Date: _____

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- (8) FILL remaining water into 3 liter jug from 5 liter jug.
- (9) FILL 5 liter jug completely.
- (10) POUR water from 5 liter jug into 3 liter jug until
- (11) it is full.
- (12) // output
- (13) 5 liter jug contains 4 liters of water.
- (14) END

FLOWCHART

