

Problem # 13

* Pseudocode

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1  Start
2  jug A, jug B, amount = 0
3  Input N, M, x.
4
5  If (x > M AND x > N) THEN
6      Print "Not Possible!"
7      Stop
8  END IF
9  While (jug A != x AND jug B != x) do
10     If jug A == 0 THEN
11         jug A = M
12         Print "Filled Jug A with M litre"
13         END IF
14     Else IF (jug A + jug B <= N) THEN
15         jug B = jug B + jug A
16         jug A = 0
17         Print "Pour all water from Jug A to jug B"
18     Else
19         amount = N - jug B
20         jug A = jug A - amount
21         jug B = N
22         Print "Pour amount from Jug A to Jug B"
23     END IF
24     IF (jug B == N) THEN
25         jug B = 0
26         Print "Empty Jug B"
27     END IF
28 END While

```