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Input

```
6/8
5/12
```

Output

```
Enter the first fraction number: 6/8
Enter the second fraction number: 5/12
The added fraction is 7/6
```

Addition of Fractions

Program

```
#include <stdio.h>
void main()
{
    int n1, d1, n2, d2, n3, d3, i, gcd;
    printf("Enter the first fraction number: ");
    scanf("%d/%d", &n1, &d1);
    printf("Enter the second fraction number: ");
    scanf("%d/%d", &n2, &d2);
    n3 = (n1*d2) + (n2*d1);
    d3 = d1*d2;
    for(i=1; i<=n3 && i<=d3; ++i)
    {
        if(n3%i==0 && d3%i==0)
            gcd = i;
    }
printf("The added fraction is %d/%d", n3/gcd, d3/gcd);

}
```

Algorithm

step1 - Start

step2 - Input n1 and d1

step3 - Input n2 and d2

step4 - n3 = (n1 x d2) + (n2 x d1)

step5 - d3 = d1 x d2

step6 - Repeat for (i=1; i<=n3 && i<=d3; ++i)

if (n3 % i == 0 && d3 % i == 0)

gcd = i

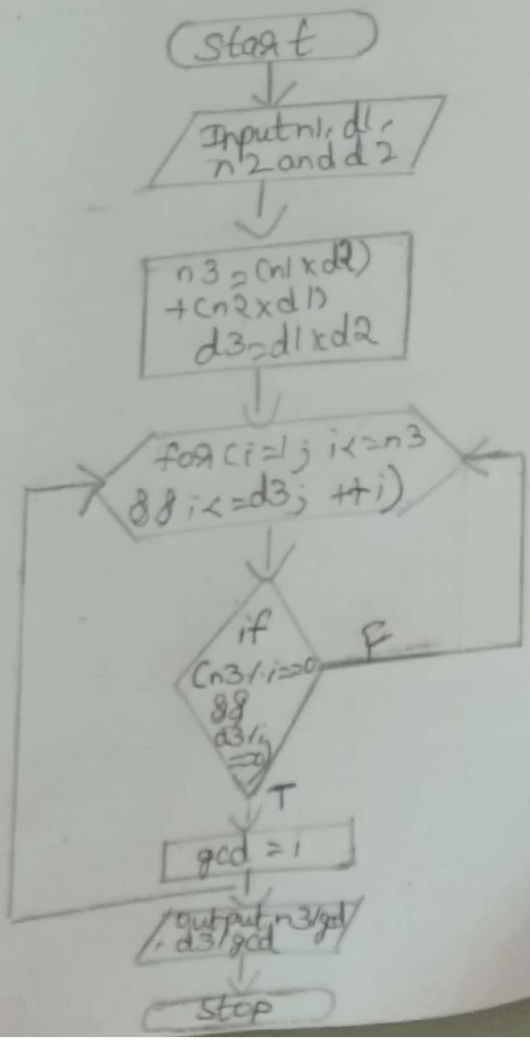
(End if)

(End for)

step7 - output n3/gcd, d3/gcd

step8 - stop

Flowchart



Output

Enter the first fraction numbers : 6/8

Enter the second fraction numbers : 5/12

The addition fraction is 7/6.