```java
import java.util.*;
public class FillingCans {

    public static void main(String[] args)
    {
        Scanner s=new Scanner(System.in);
        int x=s.nextInt(),y=s.nextInt(),z=s.nextInt();
        int sum=0;
        if(x<y)
        {
            int temp=y;
            y=x;
            x=temp;
        }
        int c=1,f=0;
        while(f!=1)
        {
            x-=y;
            if(x==z)
                    f=1;
            else
                    c++;   //To pour water outside
            if(x<0)
            {
                    f=0;break;
            }
            c++;    //To increment step
        }
        if(f==1)
                System.out.println(c);
        else
                System.out.println("-1");
    }

}
```