

```
/* package codechef; // don't place package name! */
```

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main  
{  
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        Scanner sc=new Scanner(System.in);
```

```
        int a=sc.nextInt();
```

```
        while(a-->0)
```

```
        {
```

```
            int x=sc.nextInt();
```

```
            int y=sc.nextInt();
```

```
            if(x%y==0)
```

```
                System.out.println(x/y);
```

```
            else
```

```
                System.out.println(-1);
```

```
        }
```

```
    }
```

```
}
```