```
ronge in
```

```
public static void main(String[] args) {
      Scanner scn = new Scanner(System.in);
      int x = scn.nextInt();
      int y = scn.nextInt();
     for (int i = x; i \le y; i++) {
          if (solve(i) == true) {
              System.out.println(i);
public static boolean solve(int num) {
                                                             count = 4
      int count = noOfDigits(num);
      int ans = 0;
                                                    ary = 0
      int temp = num;
      while (num > 0) {
          int rem = num % 10;
          ans = ans + (int)Math.pow(rem, count);
                                                  rem=4
          num = num / 10:
                                                  an = 0 + (4)
      return (temp == ans);
                             false
                                                  n= 123
                                                  Hem=3
  public static int noOfDigits(int num) {
                                                  an = (4)' + (3)'
      int count = 0;
      while (num > 0) {
                                                   n= 12
          num = num / 10;
                                                   rem = 2
          count++;
                                                   an = 4"+ 3"+ 2"
      return count;
                                                    n=1
                                                    rem = 1
                                                    ans = 4 + 3 + 2+
```

$$= \underbrace{Math. max(4,3)}_{\text{(mt) Math. pow}(a,b)} = 4$$

$$= \underbrace{Ab}_{a,4} = \underbrace{A^{1} = 16.0}_{\text{(mt) Math.}}$$

## Find GCD 3

$$x = 100$$
,  $y = 35$ 

for (int  $i = 1$ ;  $i <= x \text{ Ak } i <= y$ ;  $i + +$ )?

if  $(x7.i == 0)$ ?

## Find GCD 3

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
    int ans = findGCD(x, y);
   System.out.println(ans);
                                                i=3
public static int findGCD(int x, int y) {
    int ans = 0;
   for (int i = 1; i <= x && i <= y ;i++) {
    return ans;
```

$$\frac{+=5}{17} \longrightarrow Yes$$

$$3 \longrightarrow Yes$$

$$11 \longrightarrow No$$

$$122 \longrightarrow No$$

n = 17

```
code
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();
   for (int i = 0; i < t; i++) {
        int n = scn.nextInt();
        boolean ans = checkPrime(n);
        if ( ans == true ) {
            System.out.println("Yes");
        } else {
            System.out.println("No");
public static boolean checkPrime(int num) {
   -for (int i = 2; i <= num - 1; i++) {</pre>
        if ( num % i == 0 ) {
            return false;
   return true;
```

```
leetcode
```

## Divide n by 2 3 5 and tell steps

2 2 472 2 1236

309

steps=3	5

3	309
	103

```
code
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int steps = scn.nextInt();
   while ( n % 2 == 0 ) {
        n = n / 2;
        steps += 2;
   while ( n % 3 == 0 ) {
        n = n / 3;
        steps += 3;
   while ( n % 5 == 0 ) {
        n = n / 5;
        steps += 5;
    System.out.println(steps);
    System.out.println(n);
}
```