

## 6 kyu Multiples of 3 or 5

☆ 3496 🏆 635 📈 88% of 36,277 🌐 114,300 of 365,727 👤 jhoffner 🚩 2 Issues Reported

Instructions

Output

Time: 779ms Passed: 1 Failed: 0

### Test Results:

#### basic tests

> n=10

Completed in 1ms

You have passed all of the tests! :)

JavaScript

Node v18.x

VIM

EMACS

### Solution

```
1 function solution(number){
2   let sumNum = 0;
3   if(number<0){
4     return 0;
5   } else {
6     while (number >= 0) {
7       number--;
8       if (number % 3 === 0 || number % 5 === 0) {
9         sumNum += number;
10      }
11    }
12    return sumNum;
13  }
14 }
```

### Sample Tests

```
3 function test(n, expected) {
4   it(`n=${n}`, () => {
5     let actual = solution(n)
6     assert.strictEqual(actual, expected)
7   })
8 }
9
10 describe("basic tests", function(){
11   test(10,23)
12 })
```

SKIP

UNLOCK SOLUTIONS

DISCUSS (515)

RESET

TEST

ATTEMPT



Hanoi record ✓

☆ 95   30   85% of 370   933 of 2,731   Bugari

Instructions   **Output**   Past Solutions

Time: 879ms   **Passed: 1**   Failed: 0

Test Results:

Basic tests

Testing for fixed tests

Completed in 1ms

You have passed all of the tests! :)

JavaScript

Node v18.x

VIM   EMACS



Solution

```
1 function hanoi(disk) {
2   if (disk === 0) {
3     return "try another number";
4   } else{
5     return 2**disk-1;
6   }
7 }
```

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe("Basic tests", () => {
6   it("Testing for fixed tests", () => {
7     assert.strictEqual(hanoi(1), 1)
8     assert.strictEqual(hanoi(2), 3)
9     assert.strictEqual(hanoi(3), 7)
10    assert.strictEqual(hanoi(5), 31)
11  })
12 })
```

SKIP   VIEW SOLUTIONS   DISCUSS (30)   RESET   TEST   **ATTEMPT**

6 kyu Build a pile of Cubes ✓

☆ 2714 406 86% of 7,861 21,068 of 77,811 g964

Instructions Output Past Solutions

Time: 762ms Passed: 1 Failed: 0

Test Results:

> Basic tests

You have passed all of the tests! :)

JavaScript

Node v18.x

VIM

EMACS

Solution

```
1 function findNb(f) {
2   let n = 1;
3   let volume = 0;
4
5   while (volume < f) {
6     volume += Math.pow(n, 3);
7     if (volume === f) {
8       return n;
9     }
10    n++;
11  }
12  if(volume === f){
13    return n;
14  } else {
15    return -1
16  }
```

Sample Tests

```
1 const { assert } = require('chai');
2
3 it("Basic tests",function() {
4   assert.strictEqual(findNb(4183059834009), 2022)
5   assert.strictEqual(findNb(24723578342962), -1)
6   assert.strictEqual(findNb(135440716410000), 4824)
7   assert.strictEqual(findNb(40539911473216), 3568)
8 })
9
10
```

SKIP

VIEW SOLUTIONS

DISCUSS (334)

RESET

TEST

ATTEMPT

6 kyu Is a number prime? ✓

☆ 2236 407 84% of 8,211 38,367 of 99,295 arithmetic 2 Issues Reported

Instructions Output Past Solutions

Time: 724ms Passed: 3 Failed: 0

Test Results:

- Basic
  - Basic tests
  - Test prime
  - Test not prime

Completed in 3ms

You have passed all of the tests! :)

JavaScript

Node v18.x

VIM EMACS

Solution

```
1 function isPrime(num) {
2
3   if (num <= 1) {
4     return false;
5   } else {
6     for (let i = 2; i <= Math.sqrt(num); i++) {
7       if (num % i === 0) {
8         return false;
9       }
10    }
11  }
12  return true;
13 }
14
```

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("Basic", ()=>{
4
5   it("Basic tests", () => {
6
7     Test.assertEquals(isPrime(0), false, "0 is not prime");
8     Test.assertEquals(isPrime(1), false, "1 is not prime");
9     Test.assertEquals(isPrime(2), true, "2 is prime");
10    Test.assertEquals(isPrime(73), true, "73 is prime");
11  });
12 }
```

SKIP VIEW SOLUTIONS DISCUSS (371) RESET TEST ATTEMPT

## 7 kyu Highest and Lowest

☆ 2966 662 90% of 21,757 105,325 of 255,916 Deantwo

Instructions

Output

Time: 796ms Passed: 2 Failed: 0

### Test Results:

#### Example tests

> Test 1

> Test 2

Completed in 1ms

You have passed all of the tests! :)

JavaScript

Node v18.x

VIM

EMACS

### Solution

```
1 function highAndLow(numbers){
2
3     const arrayOfNum = numbers.split(' ').map(Number);
4     const maxNumber = Math.max(...arrayOfNum);
5     const minNumber = Math.min(...arrayOfNum);
6     const maxAndMin = `${maxNumber} ${minNumber}`
7
8     return maxAndMin;
9 }
```

### Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe("Example tests", () => {
6     it("Test 1", () => {
7         assert.strictEqual(highAndLow("8 3 -5 42 -1 0 0 -9 4 7 4 -4"), "42 -4");
8     });
9     it("Test 2", () => {
10
11     });
12 })
```

SKIP

UNLOCK SOLUTIONS

DISCUSS (267)

RESET

TEST

ATTEMPT

7kyu Descending Order

☆ 2906 521 90% of 21,805 93,343 of 237,377 TastyOs 2 Issues Reported

Instructions Output

Time: 780ms Passed: 1 Failed: 0

Test Results:

Basic tests

Testing for fixed tests

Completed in 1ms

You have passed all of the tests! :)

JavaScript

Node v18.x

VIM

EMACS

Solution

```
1 function descendingOrder(number) {
2   let numStr = number.toString();
3   let numArr = numStr.split('');
4
5   numArr.sort(function(a, b) {
6     return b - a;
7   });
8
9   let result = parseInt(numArr.join(''));
10  return result;
11 }
```

Sample Tests

```
1 const { assert } = require("chai")
2
3 describe("Basic tests", () => {
4   it("Testing for fixed tests", () => {
5     assert.strictEqual(descendingOrder(0), 0)
6     assert.strictEqual(descendingOrder(1), 1)
7     assert.strictEqual(descendingOrder(111), 111)
8     assert.strictEqual(descendingOrder(15), 51)
9     assert.strictEqual(descendingOrder(1021), 2110)
10    assert.strictEqual(descendingOrder(123456789), 987654321)
11  })
12 })
```

SKIP

UNLOCK SOLUTIONS

DISCUSS (379)

RESET

TEST

ATTEMPT