

### Pregunta 1

Given the following:

```
public class Test {  
    static int sum(Integer a, int b){return a+b;}  
    static long sum(long x, int y){return x+y+10;}  
    static double sum(int n, double r){return n+r;}  
    public static void main (String []args) {  
        System.out.println(sum(3,2));  
    }  
}
```

**What is the result?**

- A. The output is 5
- B. The output is 15
- C. The output is 5.0
- D. Compilation will fail**
- E. It will throw an Exception

## Pregunta 2

Given the following:

```
class Number{
    private int n;
    public void setN(int a){
        n=a;
    }
    public int getN(){
        return n;
    }
}

public class Test {
    public static void main (String []args) {
        Number num=new Number();
        processing(num);
        System.out.print(num.getN());
    }
    static void processing(Number x){
        x.setN(x.getN()+5);
        System.out.print(x.getN());
    }
}
```

**What is the result?**

- A. The output is 0
- B. The output is 5
- C. The output is 55**
- D. Compilation fails

### Pregunta 3

Which of the following methods can't be in the same class with: `public void mt(long r)?`  
(choose 2)

A. `void mt(int s)`

B. `int mt(long a)`

C. `int mt()`

D. `public void mt(Long a)`

E. `void mt(long v)`

#### Pregunta 4

Given the following

```
class Test{  
    int a;  
  
    static int b;  
  
    static{  
        b++;  
    }  
  
    Test(){  
        while(a<5){  
            b++;  
            a++;  
        }  
    }  
  
    public static void main(String[] args){  
        Test t1=new Test();  
        Test t2=new Test();  
        System.out.println(t1.a+"."+t2.b);  
    }  
}
```

Which is the result?

A. 10:10

B. 5:10

C. 5:11

D. 11:5

E. Compilation fails

