Subtraction

Subtraction

```
int a = 10;
int b = 3;
int c = a - b;
System.out.println(c);
```

TRY IT

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What happens if you:

- Change b to -3?
- Change c to c = a -b?
- Change b to 3.0?

TRY IT

The -- and -= Operators

Decrementing is the opposite of incrementing. Just like you can increment with ++ , you can decrement using -- .

```
int a = 10;
a--;
System.out.println(a);
```

Like += , there is a shorthand for decrementing a variable - -= .

TRY IT

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Subtraction and Strings

You might be able to concatenate strings with the + operator, but you cannot use the - operator with them.

```
String a = "one two three";
String b = "one";
String c = a - b;
System.out.println(c);
```

TRY IT

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Decrementing

Use the fewest characters possible to complete the code as described.

```
int a = 42;
int b = 2;
//decrement a by 1
a--;
//decrement a by b
a-=b;
```

```
int a = 42;
int b = 2;
//decrement a by 1
a--;
//decrement a by b
a-=b;
```

To decrement by 1, you use the _-_ operator. To decrement or subtract by any other number, you use _-= .