String Calculator

Using the OCP rules, write a very simple string calculator with the following behaviour.

```
public class CalculatorTester {
    @Test
    public void sampleTest() {
        Calculator calculator = new CalculatorFactory().create();
        assertEquals(4, calculator.evaluate("2 + 2"));
    }
}
```

The tests are:

```
"  "            -> 0
"6 + 3"         -> 9
"12 + 34"       -> 46
"6 - 3"         -> 3
"18 - 4"        -> 14
"6 * 3"         -> 18
"5 * 22"        -> 110
"6 / 3"         -> 2
"36 / 12"       -> 3
```

You can assume that:

- A single space char separates the operator from the numbers.
- Only integer arithmetic is to be supported.

Additional challenges for lunchtime kata:

```
"18 - 4 + 3"        -> 17
"18 - 4 * 3"        -> 6
"18 - (4 + 3)"      -> 11
```

etc...