Example - Dice Cup

```java
public class FakeDie extends Die {

    int weightedValue;

    public FakeDie(int weightedValue, int numSides) {
        super(numSides);
        this.weightedValue = weightedValue;
    }

    @Override
    public int getValue() {
        return weightedValue;
    }

}
```

But…when we want to test calculating the total, we don't want to call the REAL die's roll method.

So…we use a FakeDie, via constructor injection.

A now we have a deterministic unit test in isolation.

```java
@Test
void rollSumsUpCorrectly() {
    FakeDie fakeDie = new FakeDie(ARBITRARY_FAKE_ROLL, ARBITRARY_NUM_SIDES);
    List<Die> diceToInject = new ArrayList<Die>();
    diceToInject.add(fakeDie);
    diceToInject.add(fakeDie);

    testObj = new DieCup(diceToInject);
    int value = testObj.roll();

    assertEquals(ARBITRARY_FAKE_ROLL * 2, value);
}
```

Let's CODE!