



**Operator overloading**

































































































































































































































































































































































































































































































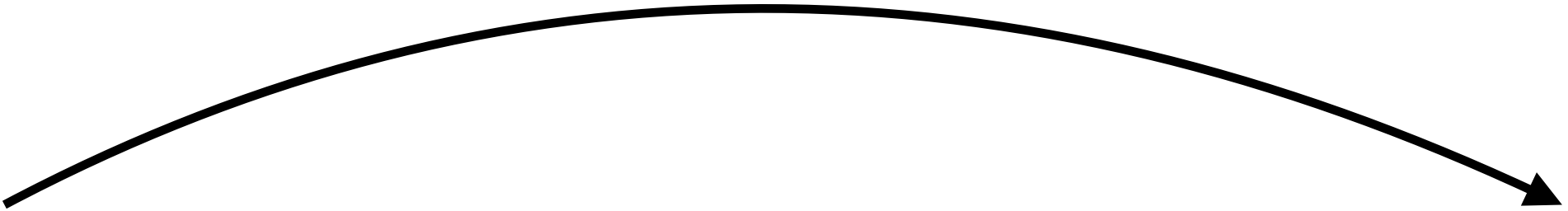




4/15

2

5



a



b

a. times(b)

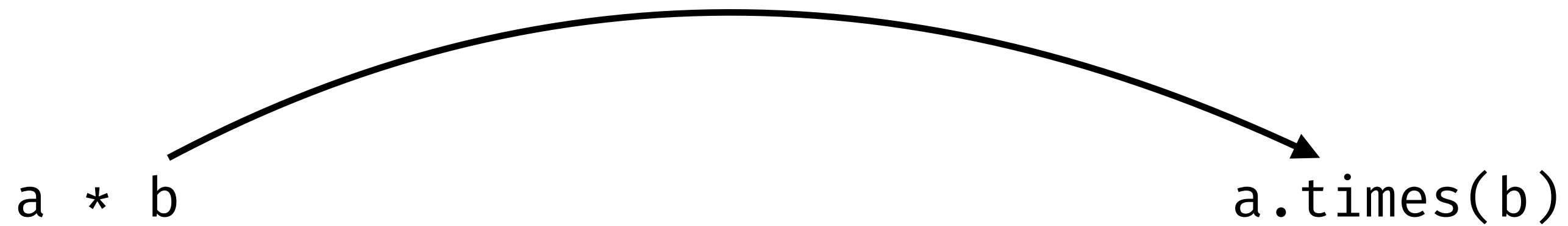
```
class Fraction(val numerator: Int, val denominator: Int) {  
    override fun toString(): String = "$numerator/$denominator"  
}
```

```
operator fun Fraction.times(other: Fraction) =  
    Fraction(numerator * other.numerator, denominator * other.denominator)
```



`println(Fraction(2,3)*Fraction(2,5))`

# Operator overloading



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```
println(Fraction(2, 3) * Fraction(2, 5)) 4/15
```

# Operator overloading

## rules

- each operator has a complementary function
- implement the function as a member or extension function
- operator precedence cannot be changed
- ! do not abuse operator overloading - only use it when the behaviour can be deduced intuitively