We do not calculate the CPI correctly: Substitution Bias

In the year when the basket was built, because apples were cheap, they were added in the most common quantity:10 apples

CPI uses old quantity with new price



\$0.30/each

With time, apples become expensive and consumers substitute apples for a cheaper alternative

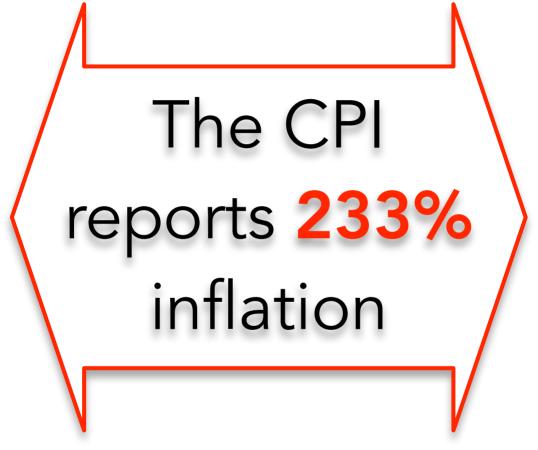


\$1/each

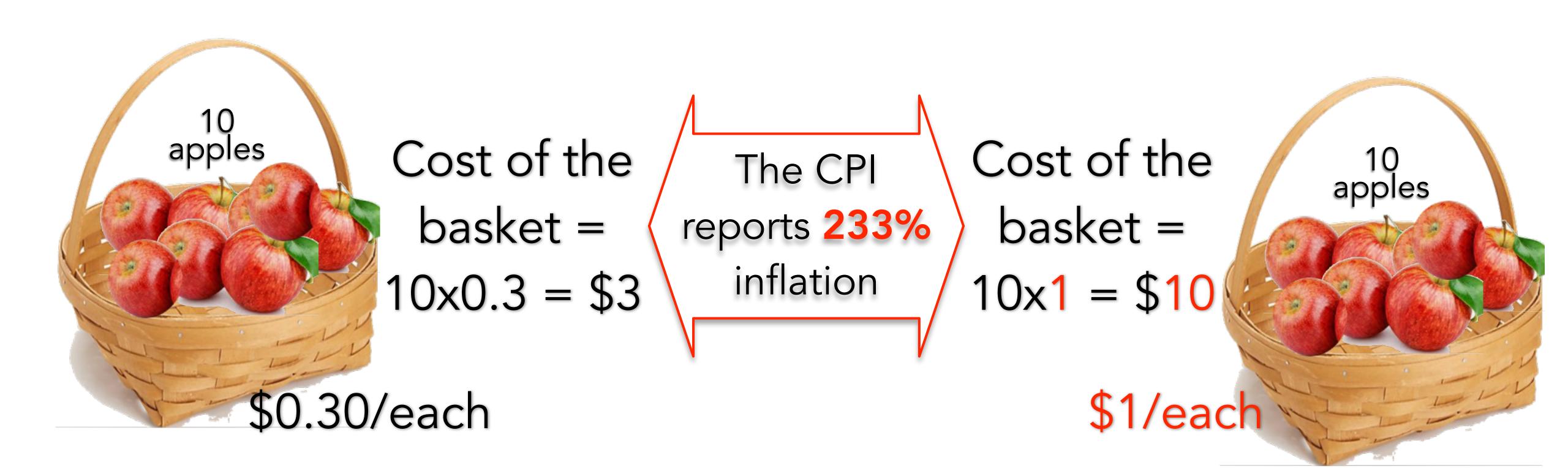
Cost of the basket = 10x0.3 = \$3

```
Cost of the
basket =
```

10x1 = \$10



We do not calculate the CPI correctly: Substitution Bias



We do not calculate the CPI correctly: Substitution Bias



