

- Decimal FP is only approximation-free if the inputs and operations are “ten-ish”
- Some financial calculations really are “ten-ish” throughout:
 - e.g. adding up billing items ✓
- ... but others are not
 - e.g. **monthly projections from an annual rate** ✗



```
const annualRate = new Decimal(1.05); 1.05  
const twelfth = new Decimal(1).div(12); // ? 0.0833333333333333333333333333
```

```
Decimal.set({ rounding: Decimal.ROUND_UP });  
const monthly1 = annualRate.pow(twelfth); //? 1.0040741237836483017  
Decimal.set({ rounding: Decimal.ROUND_DOWN });  
const monthly2 = annualRate.pow(twelfth); //? 1.0040741237836483016
```