

CS Games 2016



## Dome Finances: Currency - Errata

# Dome accounting Application - Currency

## Summary

The new Dome monetary system, whose applicability in any commercial transaction is immediate, is built around common life objects, and defined as follows:

- Caps: 0-7, 8 caps are 1 Bottle;
- Bottle: 0-3, 4 bottles are 1 Pack;
- Pack: 0-11, 12 packs are 1 Keg;
- Keg: 0-63, 64 kegs are 1 Truck;
- Truck: 0-\*, the new largest unit under the Dome legislation.

The formula to convert from old units (Domllars) to the new system is as follows:

```
class Domllar {
    int units;
    int cents;
}

class Domoney {
    int caps;
    int bottles;
    int packs;
    int kegs;
    int trucks;
}

class DomllarsConvert {
    public static Domoney convertFromDomllars(Domllar money)
    {
        int remc = money.cents * 100 + money.units;
        int trucks = remc / 24576;
        remc -= trucks * 24576;
        int kegs = remc / 384;
        remc -= kegs * 384;
        int packs = remc / 32;
        remc -= packs * 32;
        int bottles = remc / 8;
        remc -= bottles * 8;
        int caps = remc;
    }
}
```



```
        return new Domoney(caps, bottles, kegs, packs, trucks);  
    }  
}
```