4. Using templates to avoid subclassing. As we've mentioned, another potential problem with factory methods is that they might force you to subclass just to create the appropriate Product objects. Another way to get around this in C++ is to provide a template subclass of Creator that's parameterized by the Product class:

```
class Creator (
public:
    virtual Product* CreateProduct() = 0;
);

template *class TheProduct>
class StandardCreator: public Creator {
public:
    virtual Product* CreateProduct();
};

template *class TheFroduct>
Product* StandardCreator*TheProduct >::CreateProduct () {
    return new TheProduct;
}
```

With this template, the client supplies just the product class—no subclassing of Creator is required.

```
class MyProduct : public Product {
public:
    MyProduct();
    // ...
);
StandardCreator<MyProduct> myCreator;
```

5. Naming conventions. It's good practice to use naming conventions that make it clear you're using factory methods. For example, the MacApp Macintosh application framework [App89] always declares the abstract operation that defines the factory method as Class\* DoMakeClass(), where Class is the Product class.