Definition (Category). A *category* C is a semicategory with an additional constituent and an additional rule:

Constituents

1. Identity morphisms: for each object X, there is a morphism $\mathrm{Id}_X: X \to X$ called *the identity morphism of* X.

Conditions

1. Unitality: It holds

I. Officiality. It flores
$$\frac{f: X \to Y}{\operatorname{Id}_X \, \mathring{\,}\, f = f = f \, \mathring{\,}\, \operatorname{Id}_Y}$$