

Measurements

Measurements are comparisons of properties against accepted standards, called units.

ENGLISH / US SYSTEM OF UNITS:

$$1 \text{ foot} = \underline{12} \text{ inches} \quad 1 \text{ yard} = \underline{3} \text{ feet} \quad 1 \text{ mile} = \underline{1760} \text{ yards}$$
$$\underline{5280} \text{ ft} = 1 \text{ mile}$$

So what's the problem?

The English system of units has different conversion factors for every kind and size of unit. This makes the system hard to use and prone to calculation errors.