Scale - a ratio comparing the length of the drawing/model to the length of the actual.

Scale = | ____(unit)

Scale Factor - the # you multiply by to get the enlargement or reduction.

Scales are written so that the unit length of the drawing mode are listed first.

model $\frac{5 \text{ in}}{17 \text{ ft.}} = \frac{1 \text{ in}}{3 \frac{2}{5} \text{ ft.}}$

Scale factor
must be written w/ the same units

lir. = 100.

$$\frac{1p}{15e} = \frac{3p}{45e} = $\frac{8}{1.20}$$