Recall, similar objects are two or more 3-D objects that have proportional dimensions.

Example 1: Are the following frying pans similar?

Diameter	Depth	Handle Length
30	6	24
20	4	16
$\frac{30}{20} = 1.5$	6-1,5	24 16 = 1.5

All viteria are the same scale that so are Similar.

Example 2: Robert bought a toy tractor for his brother and it has dimensions 9.5 cm wide by 19.1 cm long by 12.7 cm high. The scale ratio on the package is 1:16. What are the dimensions on the actual tractor?

 $\frac{1}{167}\frac{9.5}{x}$ $\frac{1}{167}\frac{19.1}{x}$

x = 16(12.7)

= 203.2

x = |6(9.5) = 152 x = 16(19.1)x = 305.6