

Considering the Precision of Similarity Definitions

Possible Similarity Definitions	Imprecise Language	Precise Language	Possible Student Misinterpretations
Two figures are similar if they are the same shape and different sizes.			
Two figures are similar if they have the same shape but not necessarily the same size			
Two figures are similar if they have corresponding angles equal and corresponding line segments proportional.			
Two figures are similar if one is the same as an enlargement or reduction of the other.			
Two figures are similar if the second can be obtained from the first by a sequence of rotations, reflections, translations and dilations.			

(curriculum definition)			
(personal definition)			