



# SHADOW PROPORTIONS.



**PLACE** a shadow scene on the table with a house, tree, person, and wolf. Make sure they have the same size ratio.

**PLACE** the same shadow scene on the table but change it so that the house is smaller or the same size as the person and wolf.

Can you establish a rule on how the shadow size of an object changes?  
What role does the distance to the light source play?

Small objects can create huge shadows. This is why you cannot always be sure how big an object is by observing its shadow.

At twice the distance from the light source, an object must be twice as large to create the same shadow.

