

Mechanical Advantage of Levers		Grade 8 - Structures and Mechanisms	
Handout			
Distance Advantage			
CLASS 1 LEVER			
Effort distance (cm)	Load distance (cm)	Distance Ratio (Effort Distance:Load Distance)	
CLASS 2 LEVER			
Effort distance (cm)	Load distance (cm)	Distance Ratio (Effort Distance:Load Distance)	
CLASS 3 LEVER			
Effort distance (cm)	Load distance (cm)	Distance Ratio (Effort Distance:Load Distance)	

## Force Advantage

Effort distance (cm)	Load distance (cm)	Distance Ratio (Effort Distance: Load Distance)	Effort Weight (Predicted)	Effort Weight (Actual)