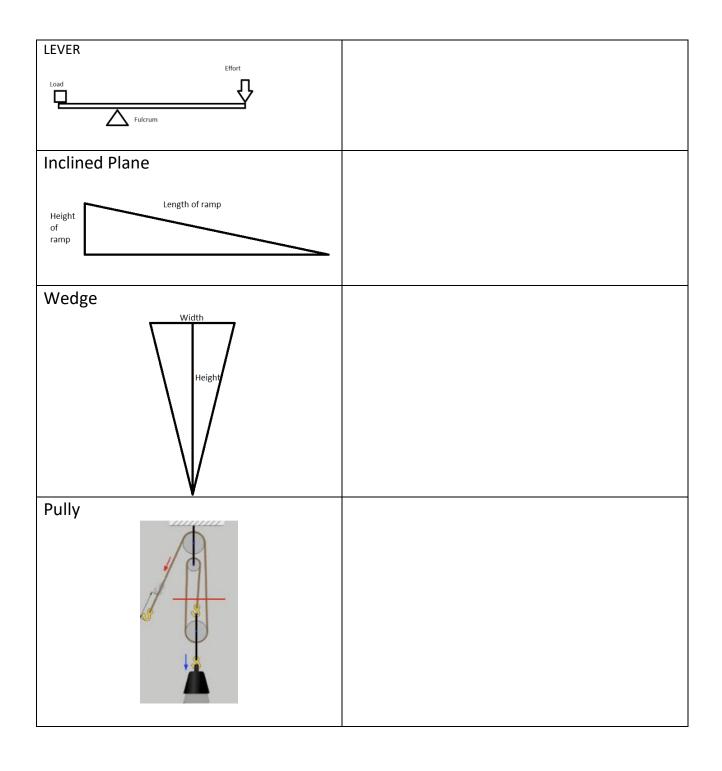
Grade 8 Science - Mechanical Advantage of Simple Machines - 2

Name:	

We have already calculated Mechanical Advantage of Levers but there are 6 other simple machines. Each has the ability to make work easier using mechanical advantage. Your job is to find out through any means, how to calculate mechanical advantage for each of the rest of the machines.



Wheel an	d Axle	
wheel	Radius of axle Radius of wheel	
Screw		
	$MA = \frac{\pi d}{l}$	
	MA mechanical advantage	
	d diameter of screw	
	l lead of screw thread	
Gears		
Driver 8 Teeth		

HINT: There are at least two ways for each machine type. One using the measured properties (distance/length/counting) and the other using force.