

# Using an Inclined Plane



- 1 Use the spring scale to lift each object straight up. Record how much force it took to lift each object in the chart.
- 2 Now use the spring scale to pull each object up the ramp. Record how much force it took to pull each object in the chart.

Object	How Much Force? (grams)	
	Lifting Straight Up	Using the Inclined Plane
Paperback book		
3-ring Binder		
Box of crayons		

- 3 Suppose you lift a hammer straight up using a spring scale. The reading on the scale is 300 grams. Then, you pull the hammer up an inclined plane.

Circle the reading that you might expect to see on the spring scale.

0 g	200 g	300 g	400 g
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