

$$k = 100 \text{ N/m}$$

1 kg

37°



The diagram shows a grey inclined plane with a 37° angle. A light blue square block labeled "1 kg" is on the incline. A spring with a spring constant $k = 100 \text{ N/m}$ is attached to a vertical wall on the left and to the top of the block. The spring is parallel to the incline. A pulley is at the top of the incline, and a rope connects the pulley to the top of the block, also parallel to the incline.