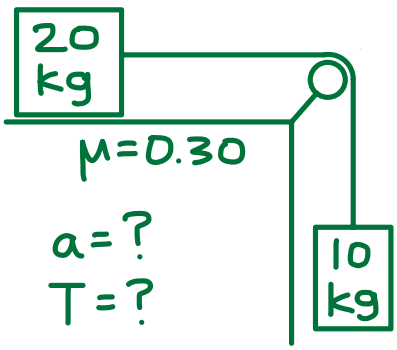
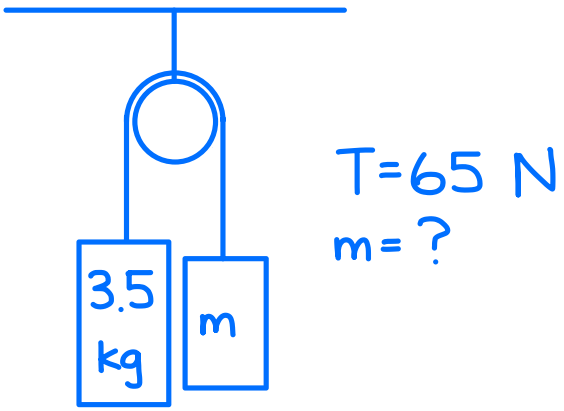
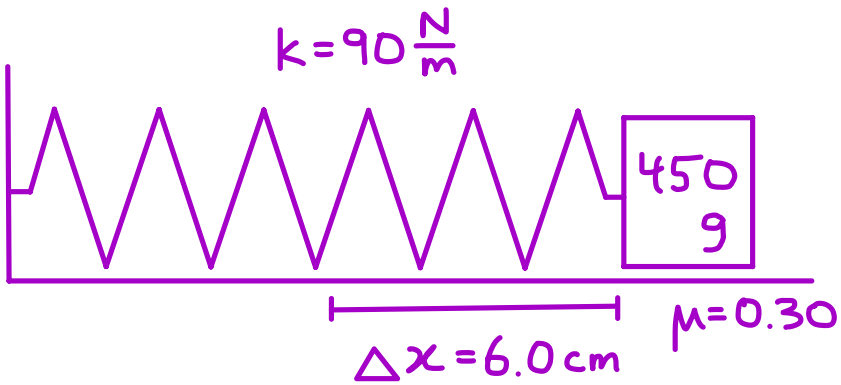
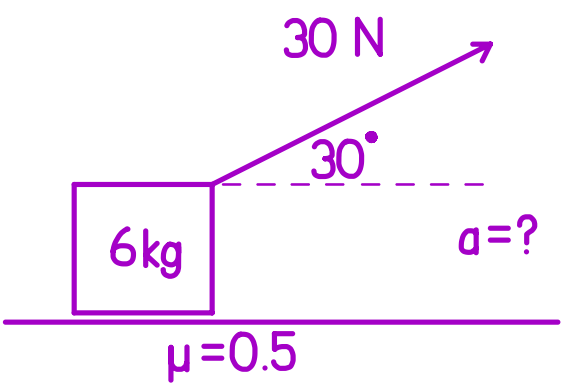


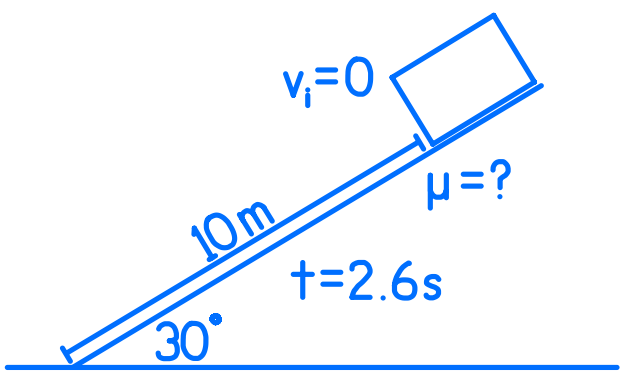


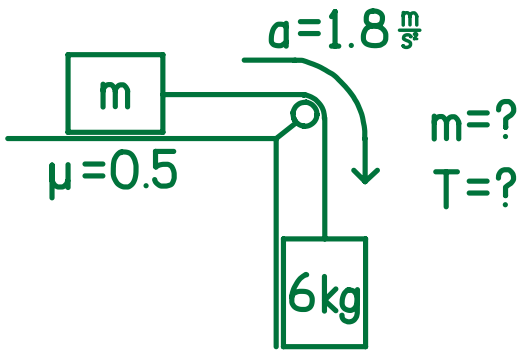


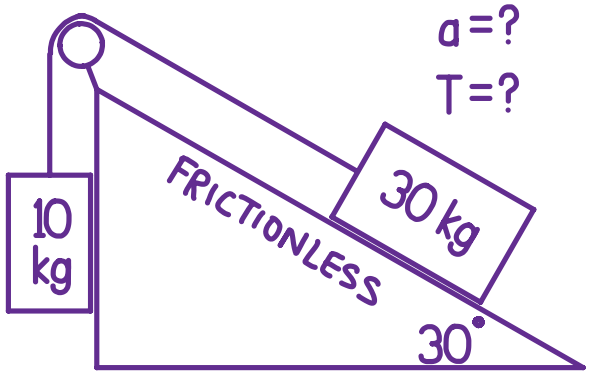
ACCELERATION THE INSTANT THE BLOCK IS RELEASED = ?

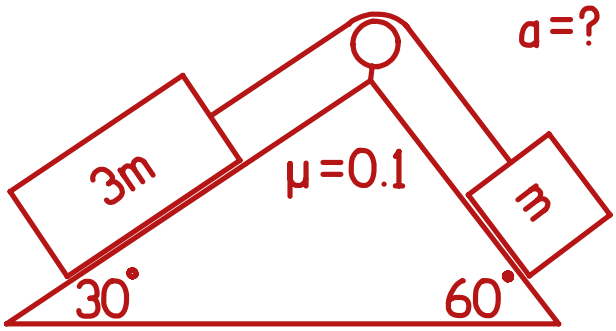
HOW HIGH ABOVE THE SURFACE OF EARTH WILL AN 80 kg PERSON EXPERIENCE A GRAVITATIONAL FORCE OF 20 N ?

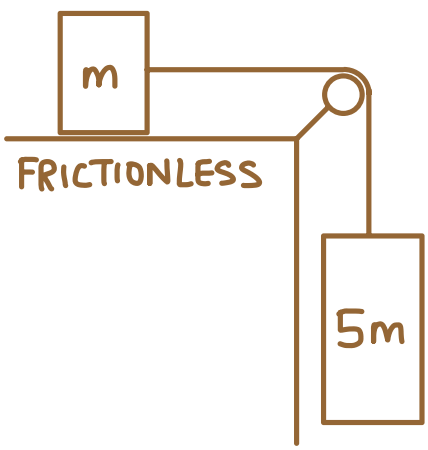






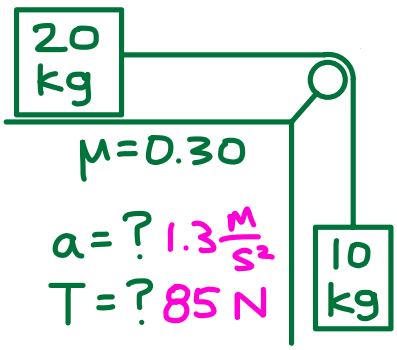


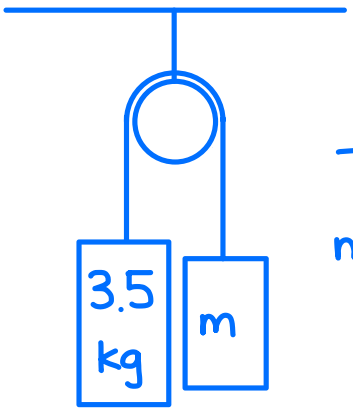




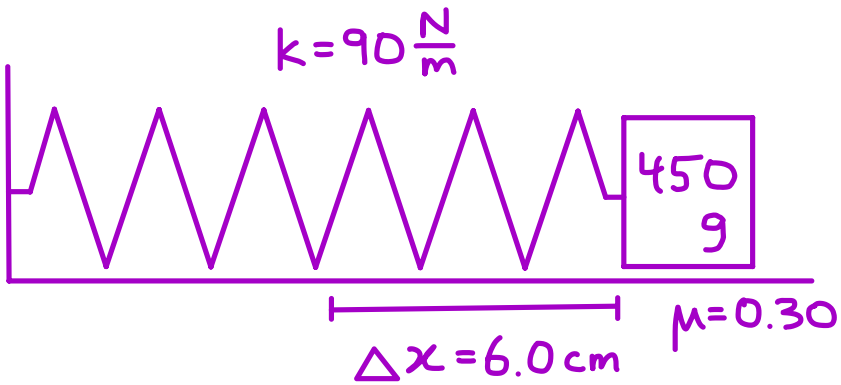
ON A DIFFERENT PLANET, THE SYSTEM HAS AN ACCELERATION OF 14 $\frac{m}{s^2}$. IF RADIUS OF PLANET IS 4.67×10^7 m, WHAT IS THE PLANET'S MASS?

A 1.5kg TOY ROCKET IS PROJECTED UPWARDS FROM EARTH WITH A CONSTANT THRUST FORCE. IF ITS ACCELERATION ON EARTH IS $7.77 \frac{m}{s^2}$ UPWARDS, WHAT WOULD BE ITS ACCELERATION ON A PLANET WITH RADIUS 2x AS GREAT AS EARTH BUT THE SAME MASS?



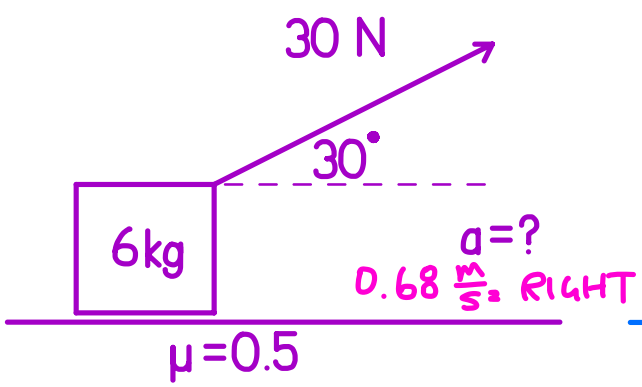


T=65 N
m=? 63 kg

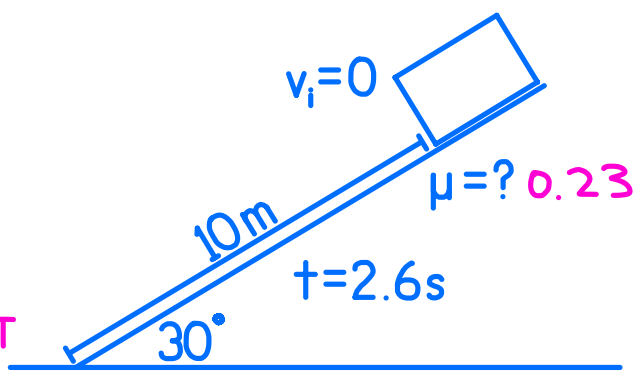


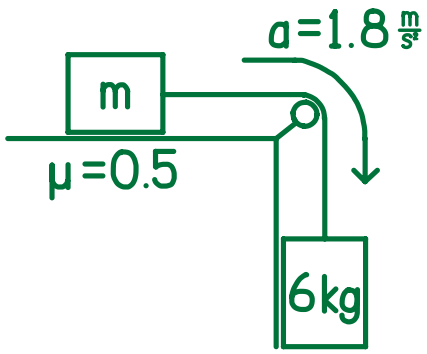
ACCELERATION THE INSTANT THE BLOCK IS RELEASED = ?
9.1 m/s²

HOW HIGH ABOVE THE SURFACE OF EARTH WILL AN 80 kg PERSON EXPERIENCE A GRAVITATIONAL FORCE OF 20 N ?
3.4×10^7 m



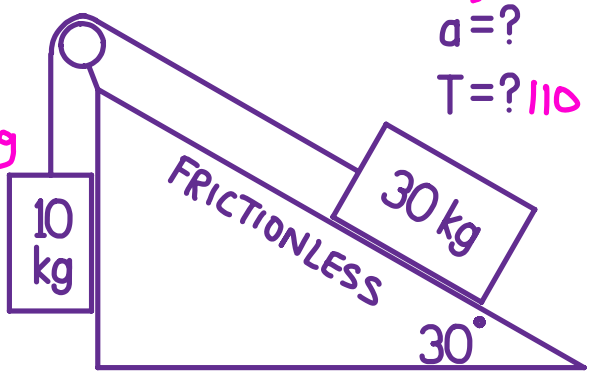
a=?
0.68 m/s² RIGHT



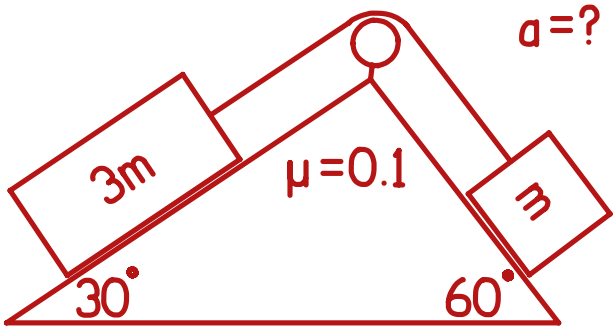


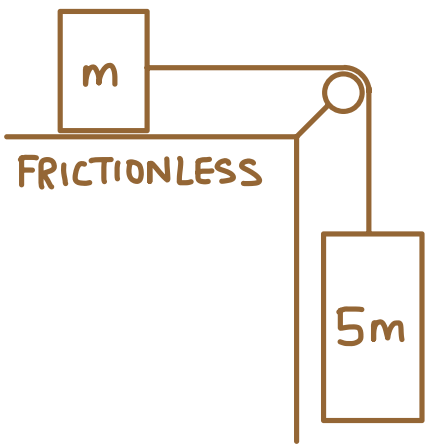
m=? 7.2 kg
T=? 48 N

1.23 m/s² RIGHT
a=?
T=? 110 N



a=? 0.79 m/s² LEFT





ON A DIFFERENT PLANET, THE SYSTEM HAS AN ACCELERATION OF 14 $\frac{m}{s^2}$. IF RADIUS OF PLANET IS 4.67×10^7 m, WHAT IS THE PLANET'S MASS?

5.5×10^{26} kg

A 1.5kg TOY ROCKET IS PROJECTED UPWARDS FROM EARTH WITH A CONSTANT THRUST FORCE. IF ITS ACCELERATION ON EARTH IS $7.77 \frac{m}{s^2}$ UPWARDS, WHAT WOULD BE ITS ACCELERATION ON A PLANET WITH RADIUS 2x AS GREAT AS EARTH BUT THE SAME MASS?

$15 \frac{m}{s^2}$