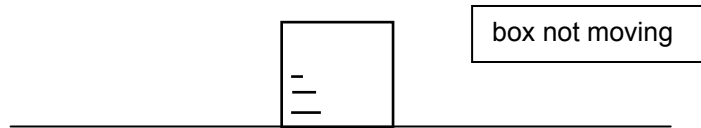


## 2

A box is sitting on a wooden plank. One end of the plank can be raised to make a slope.

(a) At first, the plank is level. The box is not moving.



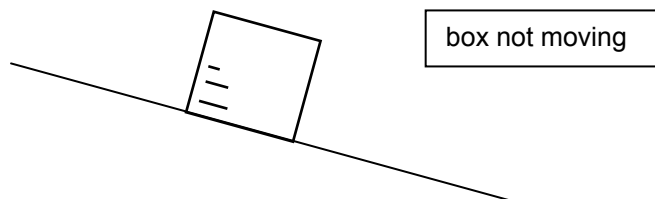
Is there a friction force on the box?

Tick ONE box (✓)

yes

no

(b) One end of the plank is then raised to make a gentle slope. The box is still not moving.



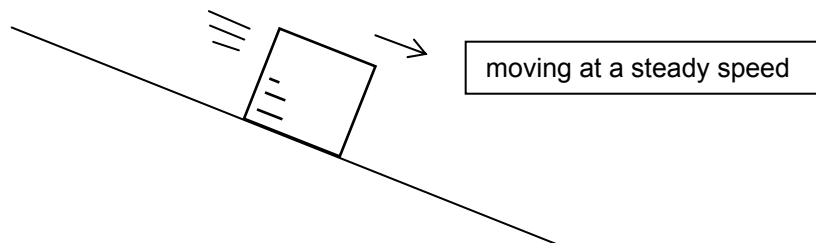
Is there a friction force on the box?

Tick ONE box (✓)

yes

no

(c) The slope is then made steeper. The box slides slowly, at a steady speed.



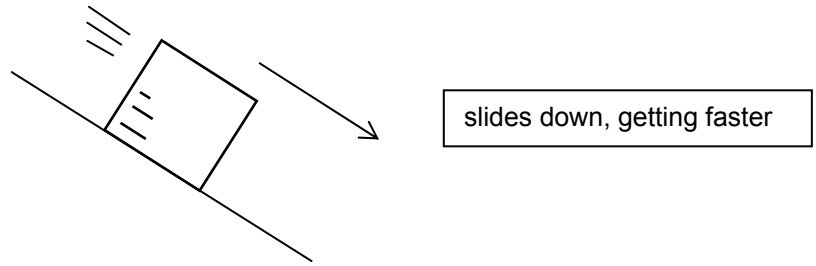
Is there a friction force on the box?

Tick ONE box (✓)

yes

no

(d) The slope is now made even steeper still. The box slides down, getting faster and faster as it goes.



Is there a friction force on the box now?

Tick *ONE* box (✓)

yes

no