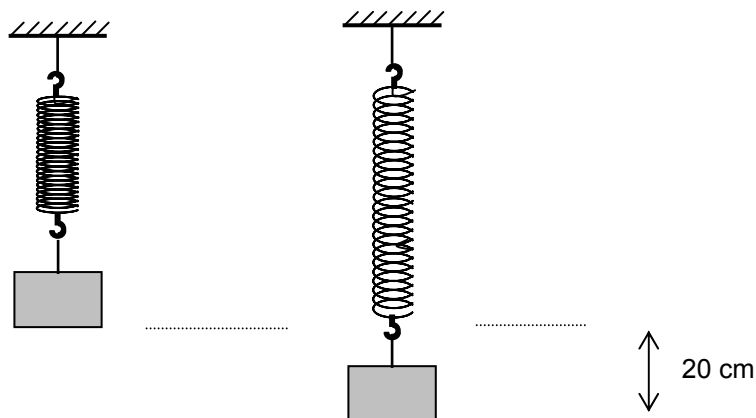


Tim is in a lab on the ground floor of the school. He hangs a small box on a spring. It stretches the spring by 20 centimetres.



He then carries the spring and box up to a classroom on the top floor of the school, two flights up. Then he repeats the experiment.

(a) How much will the spring stretch now?

Tick *ONE* box (✓)

- More than 20 centimetres.
- Exactly 20 centimetres again.
- Less than 20 centimetres.

(b) How would you explain this?

Tick *ONE* box (✓)

- The box is now higher above the ground.
- The change in distance from the centre of the Earth is too small to have any effect.
- The box is now further from the centre of the Earth.
- The weight of an object is always the same.