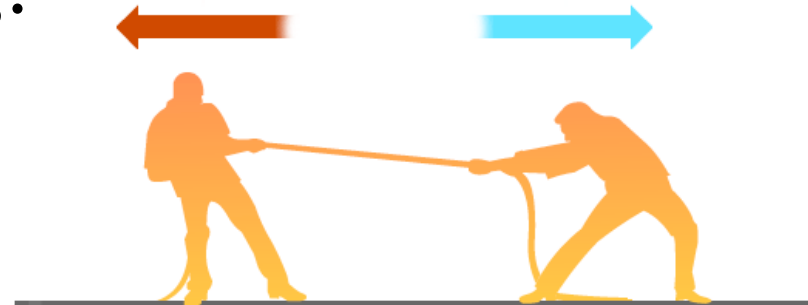


FORCE

SECTION 5.1

- A push or a pull that one body exerts on another.
- Forces can increase or decrease the speed of a moving object.
- Forces can also change the direction in which an object is moving.

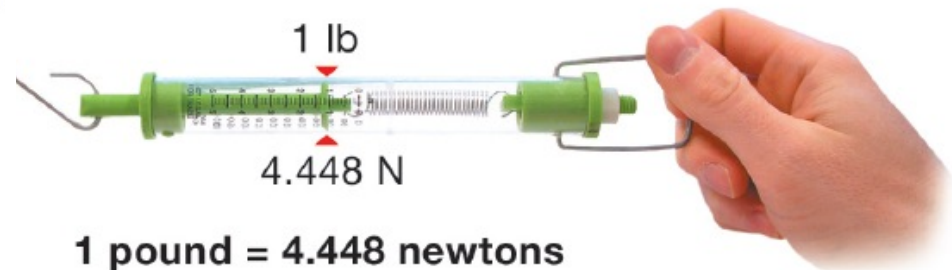


UNITS OF FORCE

- SI unit of force = newton
- One newton (N) is the force it takes to change the speed of a 1kg mass by 1 m/s in 1 second.
- 1 pound = 4.448 newtons

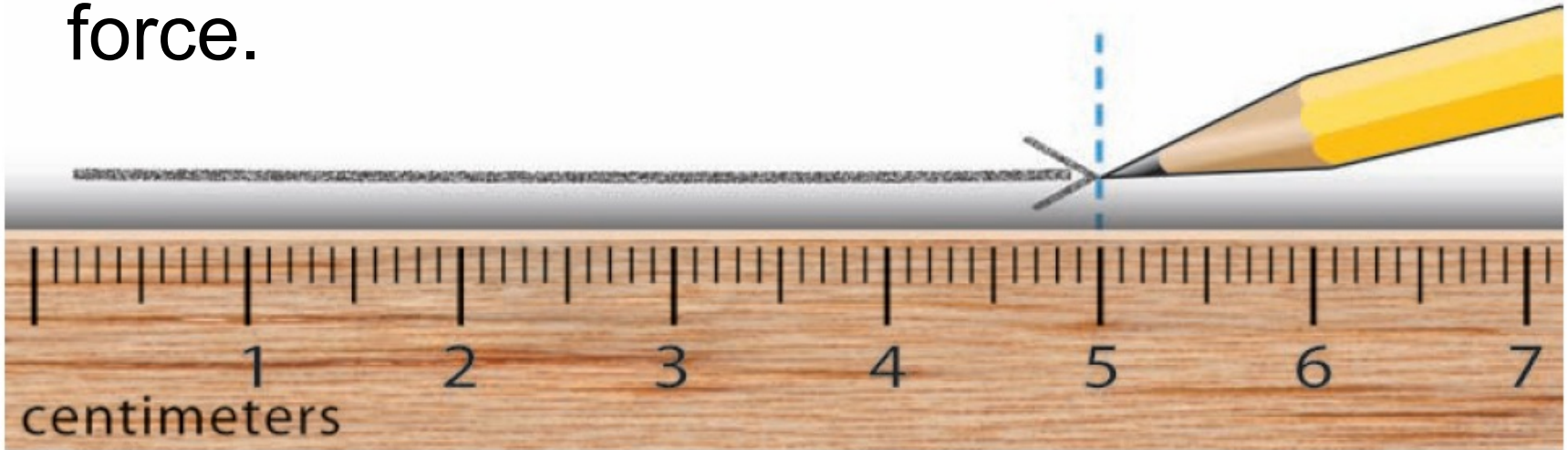


- 1 N = ~



5.1 DRAWING A FORCE VECTOR

- The arrow points in the direction of the force.



- The length of the line is proportional to the amount of force.



