

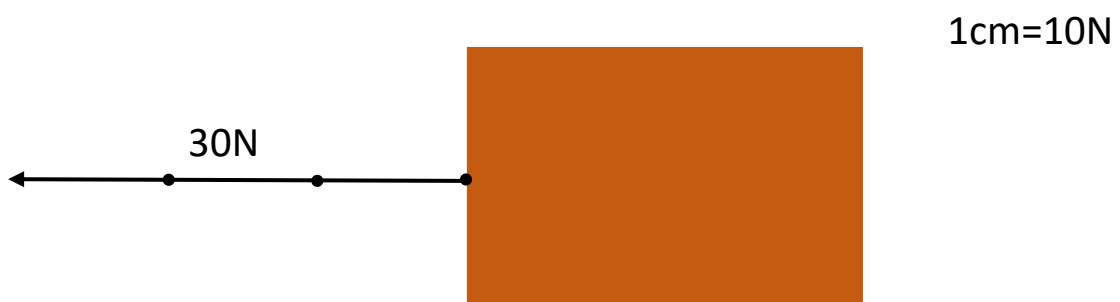
Science – Grade 9

Unit 4 – Force

- Force means a pull or a push.
 1. Write 5 things that can be done by exerting a force
 2.
 - a. What is the international (SI) unit used to measure the magnitude of the force?
 - b. Write the symbol used for it.
 - c. What is the equipment that can be used to measure the magnitude of a force?

Direction of Force and Point of Application.

1. What is meant by the point of application?
 2. State whether the force is a vector or a scalar quantity.
 3. Give the reasons for your answer.
- Magnitude, direction and the point of application of a force can be represented graphically by a segment of straight line.
 - Magnitude is represented by the length of a straight line segment.
 - Direction of force shown by an arrow head drawn on a straight line.
 - Point of application shown by a point mark at the starting point of the straight line.
1. Graphically represent 30N exerted horizontally on a wooden box toward west.



2. Graphically represent 20N exerted on an object vertically upwards.

