

Science exam (Sec 1)

1. It changes its ~~shape~~ shape and when the applied force remove, it regain its original shape.

2. No, the trolley will not move. When man stands behind the trolley. the trolley will only move - when man will make an interaction with trolley or push it.

3. 1) Gravitational force, 2) magnetic force, 3) electrostatic force.

(Sec 2)

4. A property of matter by which it remains at rest or in uniform motion in the straight line.

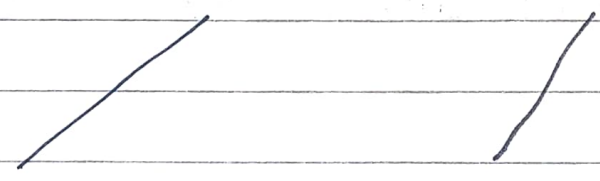
5. 1 Newton is therefore the force needed to accelerate one kilogram of mass at the rate of one meter per second in the direction of force applied.

6) When a moving Cricket ball is hit by a bat, then the direction of ball change and it go in another direction.

7) Gravitational force is force that attract any two ~~force~~ object with mass. We call the gravitational force attractive because it always tries to pull masses together. Name of Scientist who discovered gravitational force is- Isaac Newton.

8) Balanced force - When two forces acting on an object are equal in size but act in opposite direction - examples - pushing against wall, sitting on chair.

Unbalanced force - When two forces acting on an object are not equal in size. Example - kicking a soccer ball, Hitting a baseball.



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10 Examples of force Changes shape and size

- 1) When we apply force to clay than its Shape and size Changes.
- 2) When we apply force on Spring than its Shape and size will change.
- 3) When we stretch rubber band than its shape and size will change.

11) Electrostatic force are non Contact force they pull or push on object without touching them.

Rub a Comb through your dry hair for sometime when the Comb is rubbed in your dry hairs, It acquires a property called electrostatic charge. Electrostatic Charge can exert a force called electrostatic force. It is because of this force that the bits of paper get attracted with the Comb.