

1 Choose the correct answer:

- If a group of students play the game of the tug of war, the rope will move if the forces acting on the two sides are
 - balanced
 - equal in magnitude and opposite in direction
 - unequal in magnitude and opposite in direction
- When the force acting on a moving body increases, its speed will
 - increase
 - decrease
 - not change
- When we pull a box on the ground to the right direction, the friction force that exists between the box and the ground will act in the _____ direction.
 - left
 - right
 - south
- A moving object moves faster when _____ force is applied on it.
 - more
 - less
 - friction
- Rocket can move and get out of the planet.
 - during launch because the forces acting on it are balanced
 - before launch because the forces acting on it are unbalanced
 - during launch because the forces acting on it are unbalanced
- From the following, if we push the two cars with the same force, what do you think which one of them will travel a greater distance?
 - The green car.
 - The red car.
 - The two cars travel the same distance.



2 Complete the following sentences:

- We need a _____ to move an object.
- When Ali kicked the ball, it moved away from his starting position and started to slow down until it stopped completely due to the effect of a _____ force.
- When you press the brakes of the bike, it is an example of the _____ force.
- Falling the book from your hand on the ground is considered _____ force.
- If an unbalanced forces are applied on an object, the object will _____ force acting on them.
- Objects stop moving when a _____ makes it fall downward.
- When you throw a ball, Earth's _____