

Worksheet:-7

Subject: - Science

Class:-VIII

Teacher:-Mrs. Mirga Chhiber & Mrs. Sandhya

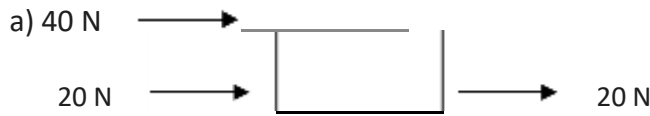
Name:-_____ Class & Sec.:-_____

Roll No.:-____

Date:- 20.04.2020

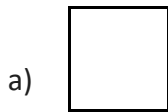
Chapter:-Force and Pressure

Q.1. Calculate the net force acting on the objects in the following diagrams:-



Also write the direction in which the object will move.

Q.2 Calculate the pressure exerted by a brick in the following positions:-



The force exerted by the brick is 5N and the dimensions of brick are 30 cm*15 cm*10 cm.

Q.3 Give reason why

- The comb rubbed with your hair attracts small bits of paper.
- We will weigh three more on Jupiter than on the earth.
- A person slips on slippery road.
- School bags have broad straps.
- Camel can walk easily on sand.
- Cutting is easier with sharp tools.

Q4. Fill in the blanks:

- Unit of Force _____.
- Unit of Pressure _____.
- Pressure in liquids increases with _____.
- Liquid Exerts pressure in _____.
- Pressure at the same depth is _____ in all directions in liquids.
- Instrument used to measure liquid pressure is _____.
- Simplest form of pressure gauge is _____.
- Factors affecting atmospheric pressure are _____, _____ and _____.

Q.5 Why does a rubber or plastic suction hook sticks to the smooth surface?

Q.6 Drinking a cold drink with straw works on which principle.