

Worksheet

1) Why is it difficult to hold a school bag having a strap made of a thin & strong string?

Ans) School bags are provided with broad straps to increase the surface area in contact with the shoulders & reduce pressure on the shoulders. If thin straps would be used the surface area in contact with the shoulder would decrease which will lead to an increase in pressure on shoulders.

2) What do you mean by buoyancy?

Ans) Force applied by the fluid on a solid which is partially or fully submerged in liquid is called the buoyant force & this phenomenon is known as buoyancy.

3) Why does an object float or sink when placed on the surface of water?

Ans) An object float or sink when placed on the surface of the water because an object sinks in water if its density is less than that of water.

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Q. You find flour mass to be 40 kg and a weight of machine is 50 kg. How much more mass than 40 kg?

Ans. The weighing machine measures this apparent weight & hence the mass indicated by it is less than the actual mass. Our actual mass will be more than 40 kg.

Date _____

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