

The National Orthodox School/Shmaisani

Subject: science Name: KEY

Worksheet (4): Net Forces

Class: Grade: 6 Date: / /

Objective:

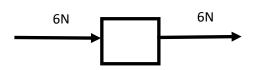
- Calculate the net force acting on an object.

- Understand the difference between balanced and unbalanced forces.

Find the net force in each of the following situations, and decide if the forces are balanced or unbalanced.

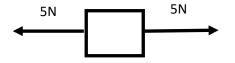
Net force:
$$12N - 7N = 5N$$

(Unbalanced forces)

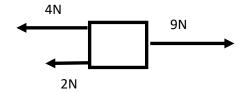


Net force:
$$6N + 6N = 12 N$$

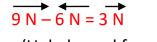
(Unbalanced forces)



Net force:
$$5 \text{ N} - 5 \text{ N} = 0 \text{ N}$$
 (Balanced forces)



Net force:
$$4 N + 2 N = 6 N$$



(Unbalanced forces)

Accredited by















