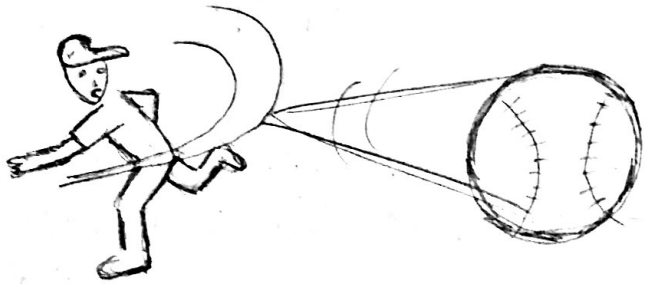


Unbalanced Forces

Bell Ringers - 2

① A baseball player throws the ball with 86 N of force. The friction of air is 16 N.

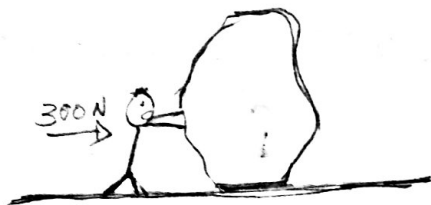


- A) Calculate the Net force
 B) IF the ball had a frictionless travel, what will be the Net Force?

② Write one of the following options on each example:

- Change in speed
- Change in direction
- Change in both, speed & direction

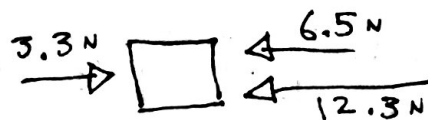
- A) Kicking a soccer ball straight in the field
 B) Getting to a stop sign
 C) Driving on a curve
 D) Throwing a baseball upward.



③ The boy pushes the rock with 300 N but the rock doesn't move.

- A) Balanced or Unbalanced?
 B) What is the Net Force?

④ What is the Net Force?



				.		
0	0	0	0		0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

Figure-1

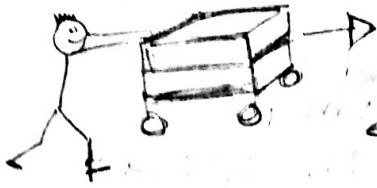
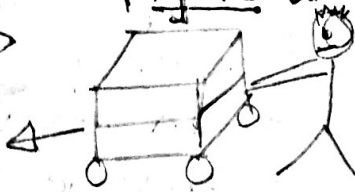


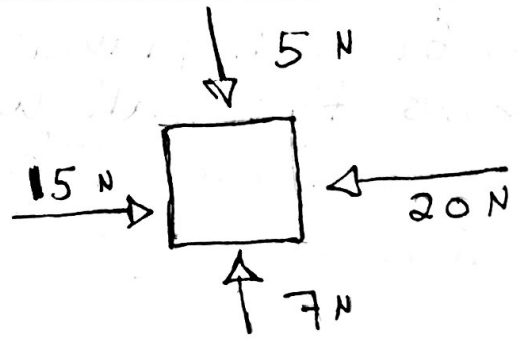
Figure-2



5) When the boy on Fig.1 pushes the cart, it moves to the right. When the boy on Fig.2 pushes the cart, it moves to the left.

- A) Which Figure is Balanced?
- B) Which Figure is Unbalanced?
- C) Which Figure shows that Net Forces = 0

6

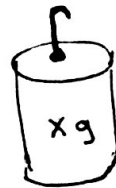


- A) In which direction will the object move?
- B) IF I add 10 N ~~of force~~ pushing down, where will the object move?
- C) IF I subtract 10 N From the right, what will be the ~~of force~~ motion?

7) What are the Net Forces?



8) This weight has a great amount of mass. ~~of mass.~~



- A) Which piece of equipment will you use to find the weight ~~or~~ mass?
- B) what equipment do you need to measure force needed to lift it?
- C) which units measures mass?
- D) which units measure force?

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9