

NALANDA V. Nalanda Vidyalaya — Colombo 10 da vidyalaya NALANDA V. DA VIDYALAYA

Third Term-Unit Test Project

Grade 7

Science

Unit: 16 Force and Motion

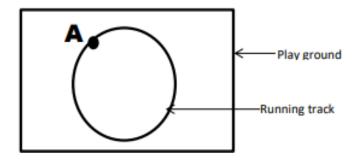
- i. The standard international unit of measuring mass and force respectively are
 - i kg and N
 - ii. Kg and N
 - iii N and kg
 - iv. g and N
- ii. What is the instrument used to measure force?
 - i. Pan balance
 - ii. Table balance
 - iii. Electronic balance
 - Newton balance
- iii. What is the effect of force when pulling a rope?
 - Change the speed of an object
 - ii. Moving object can be stopped
 - iii. Direction of motion can be changed
 - iv. None of the above
- iv. What is the weight of a man whose is hawing mass of 50 kg?.
 - 500N.
 - ii. 50N.
 - iii. 5N.

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- iv. 5000N.
- v. The incorrect statement about force is,
 - Force has a magnitude and a direction
 - ii. Pulling and pushing can be done by applying
 - iii. Direction of motion can be changed by applying force
 - iv. Pulling only can be resulted by applying a force.

2x = 10 marks

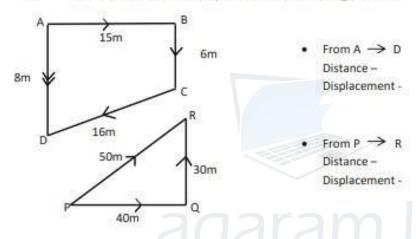
This diagram shows a playground, with a 400m running track



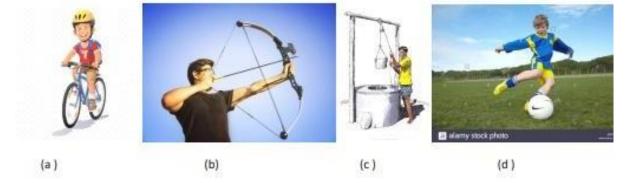
- i. A student started and finished the race from place A
 - a) What is the distance he traveled?
 - b) What is the displacement?
- ii. What is the difference between distance and displacement?
- iii. What is the SI unit of distance?
- iv. Name other two units of measuring distance.

3. i.

- a) Write 2 effects of a force
- b) Draw 2 examples for each
- ii. Find the distance and displacement of following instances.

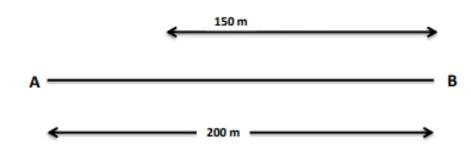


iii) There are some instances given below, where a force is applied. Mention whether it is a pull or a push for each instance Agaram.LK - Keep your dreams alive!





4. A man walked 200m to the east along a straight road from A to B



i. What is his displacement?

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- ii. What is the distance travelled by him?
- iii. If he turned back at B and walked 150 m along the same road,
 - (a) Find the total distance travelled by him.
 - (b) Find his displacement.
- iv. Write a difference between the distance and the force.



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