

**CLASS IX PHYSICS**  
**MOTION**  
**NUMERICALS FOR PRACTICE**

1. A particle is moving up an inclined plane. Its velocity changes from 25m/s to 10m/s in 5 seconds. What is its acceleration?
2. The velocity changes from 35m/s to 60m/s in 3 seconds. What is its acceleration?
3. A body covered a distance of 4 metre along a semicircular path. Calculate the magnitude of displacement of the body, and the ratio of distance to displacement?
4. A particle moving with an initial velocity of 8m/s is subjected to a uniform acceleration of  $2.5\text{m/s}^2$ . Find the displacement in the next 4 sec.
5. A train is travelling at a speed of 40 km/ h. Brakes are applied so as to produce a uniform acceleration of  $-0.5\text{ m/s}^2$ . Find how far the train will go before it is brought to rest.
6. A Truck covers 90km at a uniform speed of 30km/hr. what should be its speed for the next 120km if the average speed for the entire journey is 60km/h?
7. A stone is thrown in a vertically upward direction with a velocity of 15 m/s. If the acceleration of the stone during its motion is  $8\text{m/s}^2$  in the downward direction, what will be the height attained by the stone and how much time will it take to reach there?
8. A person goes to market, makes purchases and comes back at a constant slower speed. Draw displacement- time and velocity time graphs of the person?
9. Rahul runs for 8 min. at a uniform speed 5 km/h. At what speed should he run for the next 10 min. so that the average speed comes 15km/hr?

# Class IX Physics Motion Numericals For Practice

**Oswal**



## **Class IX Physics Motion Numericals For Practice:**

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*ICSE Most Likely Question Bank Physics Class 9 (2022 Exam) - Categorywise & Chapterwise Topics, Indepth Concepts, Quick Revision* Oswal, 2021-06-15 Enhance your preparation and practice simultaneously with Oswal's Most Likely Question Bank for ICSE Class 9th Physics 2022 Examinations Our Handbook is categorized chapterwise topicwise to provide you in depth knowledge of different concept topics and questions based on their weightage to help you perform better in 2022 Examinations ICSE Most Likely Question Bank Series Highlights 1 Includes Solved Papers of Feb 2020 and Nov 2019 2 Topicwise questions such as Definitions SI Units and Correlation based Units Differentiate between Short type Questions Long Answer Diagram based Numericals etc 3 Learn from the step by step solution provided by the Experienced Teachers Solutions 4 Includes Last Minute Revision Techniques 5 Each Category facilitates easy understanding of the concepts facts and terms Pearson IIT Foundation Physics Class 9 Trishna Knowledge Systems, 2017 Pearson IIT Foundation Series one of the most reliable and comprehensive source of content for competitive readiness is now thoroughly updated and redesigned to make learning more effective and interesting for students The core objective of this series is to help aspiring students understand the fundamental concepts with clarity in turn helping them to master the art of problem solving Hence great care has been taken to present the concepts in a lucid manner with the help of neatly sketched illustrations and well thought out real life examples As a result this series is indispensable for any student who intends to crack high stakes examinations such as Joint Entrance Examination JEE National Talent Search Examination NTSE Olympiads Junior Senior International Kishore Vaigyanik Protsahan Yojana KVPY etc The series consists of 12 books spread across Physics Chemistry

and Mathematics for classes VII to X

## **Class Ix Physics Motion Numericals For Practice** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Class Ix Physics Motion Numericals For Practice**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall impact on readers.

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