

# Races and Games - Aptitude Questions and Answers

Last Updated : 11 Jun, 2025

Race and Games is a very important concept for quantitative aptitude in various competitive exams. In this article, we will explore some of the fundamental concepts of races and games and provide examples of frequently asked questions in these exams.

**Prerequisite:** [Races and Games - Fundamentals](#)

## Aptitude Questions on Races and Games

**Q 1.** In a 100 m race, A beats B by 28 meters. Also, at the finish line, A was 7 seconds ahead of B. Find the time taken by A to complete the race.

**Solution:**

*According to the question, B covers 28 m in 7 seconds.*

*B's speed =  $28 / 7 = 4$  m/s*

*Time required by B to complete 100 m =  $100 / 4 = 25$  s*

*Now, A needs 7 s less than B to complete the race.*

*Time required by A =  $25 - 7 = 18$  s*

**Q 2.** In a 100 m race, A can give a start of 4 m to B and 6.4 m to C. How many starts can B give to C?

**Solution:**

We use cookies to ensure you have the best browsing experience on our website. By using our site, you acknowledge that you have read and understood our [Cookie Policy](#) & [Privacy Policy](#).

Got It !

**Q 3. A 100-meter race has been completed by two athletes, A and B. If A finishes the race in 10 seconds and B finishes the race in 12 seconds, what is the ratio of their speeds?**

**Solution:**

*We can find the ratio of the speeds of A and B using the formula:*

***Ratio of speeds = distance/time***

*Since both A and B have run the same distance, the ratio of their speeds will be proportional to the inverse of their times.*

*Therefore, we can write the ratio of speeds = B's time / A's time.*

*Substituting the given values, we get the ratio of speeds = 12 / 10.*

*Simplifying, we get the ratio of speeds = 6 : 5.*

**Q 4. In a 5000-meter race, if runner A runs at a speed of 12 meters per second and runner B runs at a speed of 15 meters per second, how many seconds will it take for runner B to finish the race if runner A finishes the race in 20 minutes?**

**Solution:**

*We know that runner A finishes the race in 20 minutes, which is equivalent to  $20 \times 60 = 1200$  seconds.*

*We can use the **formula: Distance = speed x time**.*

*The distance covered by runner A in 1200 seconds is Distance =  $12 \times 1200 = 14400$  meters.*

*We want to find out how many seconds it will take for runner B to finish the race.*

*Let's assume that it takes runner B  $t$  seconds to finish the race.*

*Then, the distance covered by runner B in  $t$  seconds is Distance =  $15t$ .*

*Since both runners cover the same distance, we can set up an equation:  $14400 = 15t$ .*

*Solving for  $t$ , we get  $t = 960$ .*

*Therefore, runner B will finish the race in 960 seconds or 16 minutes.*

1. In a 100m race, A beats B by 10m and C by 15m. In the same race, by how many meters does B beat C?

## Related searches

🔍 Numerical Ability Mock Test

🔍 Mensuration Tricks

🔍 Age Reasoning

2. A can run a certain distance in 6 minutes. B can cover the same distance in 7.5 minutes. If A gives B a start of 200m, who will win the race?

3. In a game of chess, if A can give B 5 games out of 25 and C 7 games out of 30, how many games can B give C out of 100?

4. A, B, and C run a race. If A gives B a start of 20m and B gives C a start of 30m, then A gives C a start of 44m. The length of the race is 100m. What are the speeds of A, B, and C?

5. In a 200m race, A beats B by 20m and C by 40m. How much does B beat C by?

6. A, B, and C can do a piece of work in 20, 30, and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

7. A can swim 3 times as fast in still water as B. In a river running at 1.5 km/hr, A swims for 52 minutes with the current and returns in 1 hour 8 minutes. How long will B take to swim 3 km in still water?

We use cookies to ensure you have the best browsing experience on our website. By using our site, you acknowledge that you have read and understood our [Cookie Policy](#) & [Privacy Policy](#).

9. In a 100m race, A can give B 10m and C 28m start. If B and C were to run a 100m race, how many meters start can B give to C?

10. A, B, C, and D run a race. A runs twice as fast as B, B runs 1.5 times as fast as C, and C runs twice as fast as D. If D's speed is 5 km/hr, what is A's speed?

[Comment](#)[More info](#)[Advertise with us](#)

## Next Article

Data Interpretation - Aptitude  
Question and Answers

## Similar Reads

1. [Aptitude Questions and Answers](#)
2. [Percentages - Aptitude Questions and Answers](#)
3. [Logical Games - Logical Reasoning Questions and Answers](#)
4. [Online Aptitude Test: For Jobs, Placements, and More](#)
5. [Race and Games](#)
6. [Goldman Sachs Engineering Campus Hiring Program - Aptitude Test](#)
7. [15 Most Important Aptitude Topics For Placements \[2025\]](#)
8. [Arcesium Interview Experience | Set 9 \(On campus for Internship\)](#)
9. [MaTPO Aptitude IDOL Exam Experience](#)
10. [MuSigma Aptitude Test - Round I](#)



Corporate & Communications Address:

A-143, 7th Floor, Sovereign Corporate  
Tower, Sector-136, Noida, Uttar Pradesh

We use cookies to ensure you have the best browsing experience on our website. By using our site, you acknowledge that you have read and understood our [Cookie Policy](#) & [Privacy Policy](#).

K 061, Tower K, Gulshan Vivante  
Apartment, Sector 137, Noida, Gautam  
Buddh Nagar, Uttar Pradesh, 201305



Advertise with us

## Company

About Us  
Legal  
Privacy Policy  
Careers  
In Media  
Contact Us  
Corporate Solution  
Campus Training Program

## Tutorials

Python  
Java  
C++  
PHP  
GoLang  
SQL  
R Language  
Android

## Data Science & ML

Data Science With Python  
Machine Learning  
ML Maths  
Data Visualisation  
Pandas  
NumPy  
NLP  
Deep Learning

## Explore

Job-A-Thon  
Offline Classroom Program  
DSA in JAVA/C++  
Master System Design  
Master CP  
Videos

## DSA

Data Structures  
Algorithms  
DSA for Beginners  
Basic DSA Problems  
DSA Roadmap  
DSA Interview Questions  
Competitive Programming

## Web Technologies

HTML  
CSS  
JavaScript  
TypeScript  
ReactJS  
NextJS  
NodeJs  
Bootstrap  
Tailwind CSS

We use cookies to ensure you have the best browsing experience on our website. By using our site, you acknowledge that you have read and understood our [Cookie Policy](#) & [Privacy Policy](#).

Python Projects  
Python Tkinter  
Web Scraping  
OpenCV Tutorial  
Python Interview Question

### DevOps

Git  
AWS  
Docker  
Kubernetes  
Azure  
GCP  
DevOps Roadmap

### School Subjects

Mathematics  
Physics  
Chemistry  
Biology  
Social Science  
English Grammar

### Preparation Corner

Company-Wise Recruitment Process  
Aptitude Preparation  
Puzzles  
Company-Wise Preparation

### Courses

IBM Certification Courses  
DSA and Placements  
Web Development  
Data Science  
Programming Languages  
DevOps & Cloud

### Clouds/Devops

DevOps Engineering

Computer Network  
Database Management System  
Software Engineering  
Digital Logic Design  
Engineering Maths

### System Design

High Level Design  
Low Level Design  
UML Diagrams  
Interview Guide  
Design Patterns  
OOAD  
System Design Bootcamp  
Interview Questions

### Databases

SQL  
MYSQL  
PostgreSQL  
PL/SQL  
MongoDB

### More Tutorials

Software Development  
Software Testing  
Product Management  
Project Management  
Linux  
Excel  
All Cheat Sheets

### Programming Languages

C Programming with Data Structures  
C++ Programming Course  
Java Programming Course  
Python Full Course

### GATE 2026

GATE CS Book Reader

We use cookies to ensure you have the best browsing experience on our website. By using our site, you acknowledge that you have read and understood our [Cookie Policy](#) & [Privacy Policy](#).

---

@GeeksforGeeks, Sanchhaya Education Private Limited, All rights reserved

We use cookies to ensure you have the best browsing experience on our website. By using our site, you acknowledge that you have read and understood our [Cookie Policy](#) & [Privacy Policy](#).