



Word Problems on Time and Calendar

Introduction

- Word problems use real-life situations to ask questions about time
- To solve these, we need to understand whether to add or subtract time
- Read the question carefully and break it into steps
- Use your knowledge of hours, minutes, seconds, days, and months
- Sometimes, you may need to convert time units to solve correctly

Examples with Solutions

Example: A bus leaves the station at 6:30 A.M. and reaches its destination at 9:15 A.M. How long was the journey?

✓ From 6:30 to 9:15 = 2 hours 45 minutes

Answer: 2 hours 45 minutes

Example: Ravi studied from 2:20 P.M. to 5:05 P.M. How much time did he spend studying?

✓ From 2:20 to 5:05 = 2 hours 45 minutes

Answer: 2 hours 45 minutes

Example: The school starts at 7:50 A.M. and ends at 2:10 P.M. How long is the school day?

✓ From 7:50 to 2:10 = 6 hours 20 minutes

Answer: 6 hours 20 minutes

Example: A movie begins at 4:15 P.M. and ends at 6:55 P.M. Find the duration of the movie

✓ From 4:15 to 6:55 = 2 hours 40 minutes

Answer: 2 hours 40 minutes

Example: A birthday party started at 5:30 P.M. and lasted for 3 hours 15 minutes. At what time did it end?

✓ $5:30 + 3 \text{ hours } 15 \text{ minutes} = 8:45 \text{ P.M.}$

Answer: 8:45 P.M.



Summary Points

- Read the question carefully to find what is asked.
 - Check if the problem needs addition or subtraction of time.
 - **Use units correctly:** 1 hour = 60 minutes, 1 minute = 60 seconds.
 - Convert time if needed to add or subtract.
 - Write your answer clearly with correct A.M. or P.M. if required.
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