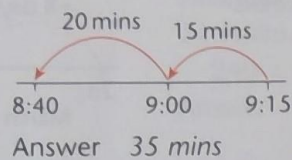


## TIME PROBLEMS 1

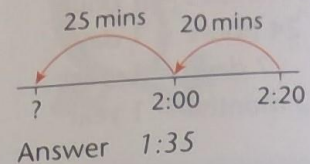
**TARGET** To solve word problems involving calculating lengths of time.

### Examples

Jo leaves home at 8:40.  
She returns at 9:15.  
How long has she been out?



Ed is out 45 minutes.  
He returns at 2:20.  
When did he go out?



### A

- David puts a cake in the oven at 1:10. He takes it out at 1:47. How long has it been in the oven?
- A television programme begins at 4:15 and finishes at 5:00. How long does it last?
- Hope answers the phone at 7:50. The call ends at 8:10. How long has she been talking to her friend?
- Nigel begins drawing at 2:25. He finishes at 3:15. How long has he been drawing?
- Assembly begins at 8:55. It ends at 9:25. How long does it last?
- Dawn's piano lesson begins at 11:40. It ends at 12:35. How long does it last?



### B

- A plane is due to land at 6:30. It arrives 42 minutes late. When does it land?
- Earl is on the bus for 34 minutes. He gets off at 2:15. When did he get on?
- The Maths lesson starts at 9:55. It lasts 57 minutes. When does it finish?
- Clara leaves school at 3:45. She arrives home at 4:18. How long does her journey take?
- Tammy leaves the library at 5:05. She notices that she has been there 46 minutes. When did she arrive?
- Hugo's CD lasts 69 minutes. He puts it on at 7:15. When will it finish?
- A jacket potato will take 50 minutes to cook. It needs to be ready to eat at 12:30. When should it be put in the oven?

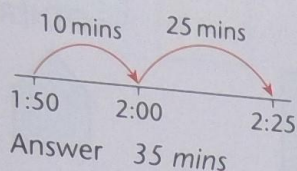
### C

- A film lasts 97 minutes. It finishes at 8:00. When does it start?
- A tennis match starts at 11:09 and finishes at 12:25. How long has it lasted?
- It starts to rain at 1:40. It rains for 110 minutes. When does it stop?
- The train leaves Bristol at 8:16. It arrives in London at 9:45. How long has the journey taken?
- The Brownies meeting lasts 115 minutes. It ends at 7:50. When does it start?
- Wanda begins her paper round at 3:07. It takes her 85 minutes. When does she finish?
- Jan finishes her horse ride at 11:32. She has been riding for 95 minutes. When did she set off?

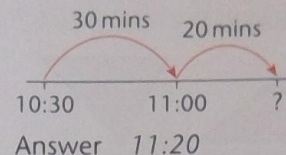
**TARGET** To solve word problems involving calculating lengths of time.

*Examples*

A lesson starts at 1:50.  
It finishes at 2:25.  
How long does it last?



A lesson starts at 10:30.  
It lasts 50 minutes.  
When does it finish?



**A**

- 1 The television programme begins at 7:10. It finishes at 7:36. How long does it last?
- 2 The washing machine is switched on at 10:30. The wash ends at 10:52. How long does it take?
- 3 A train is due to arrive at 5:35. It is 18 minutes late. At what time does it arrive?
- 4 The PE lesson begins at 1:50. It finishes at 2:25. How long does it last?
- 5 It takes Jason half an hour to walk to school. He arrives at 8:45. When did he set off?
- 6 Gemma begins painting at 2:20. She finishes at 3:00. How long has she been painting?



**B**

- 1 Troy goes into the shopping centre at 11:44. He leaves 35 minutes later. When does he leave the centre?
- 2 Lara switches her computer on at 6:17. She switches it off at 7:10. How long is it on?
- 3 Paul needs to be at the airport at 9:30. The journey to the airport takes 45 minutes. At what time should he ask his taxi to arrive?
- 4 A netball game starts at 3:38. It lasts 40 minutes. When does it end?
- 5 Lunchtime lasts 55 minutes. It finishes at 1:05. When does it start?
- 6 Donna sets off for work at 7:55. Her journey takes 26 minutes. When does she arrive?
- 7 Robert takes his dog out for a walk at 09:23. They arrive back at 10:15. How long have they been out?

**C**

- 1 Glenn's bike ride lasts one and a half hours. He arrives home at 4:53. When did he set out?
- 2 The play rehearsal begins at 2:05. It lasts 76 minutes. When does it finish?
- 3 The class enter the museum at 10:25. They leave at 12:13. How long are they in the Museum?
- 4 Aisha wakes up at 5:40. She realises she has been asleep for 75 minutes. When did she fall asleep?
- 5 The film lasts 112 minutes. It starts at 7:15. At what time will it finish?
- 6 A chicken will take 100 minutes to cook. It needs to be ready to eat at 2:30. When should it be put in the oven?
- 7 The tennis match begins at 3:48. It lasts 2 hours 25 minutes. When does it finish?