Timetables and journeys

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. A bus leaves at 07:40 and arrives at 08:12. Find the travel time. [2 marks]

20 min to 08:00+12 min=32 min.

Answer: 32 min.

2. You arrive at 10:46 and the next service leaves at 11:05. Find the waiting time. [2 marks]

14 min to 11:00+5 min=19 min.

Answer: 19 min.

3. Leg 1 takes 28 min, the wait is 12 min and leg 2 takes 35 min. Find total time. [2 marks]

28+12+35=75.

Answer: 75 min, or 1 h 15 min.

4. Arrival is 14:24. Departures are 14:29, 14:36 and 14:50. A transfer needs at least 8 min. Choose the first possible departure. [2 marks]

14:29 allows 5 min and fails; 14:36 allows 12 min and works.

Answer: 14:36.

5. A service arrives at 12:20 after travelling for 45 minutes. Its departure stop is a 10-minute walk from home. What is the latest time to leave home if no extra boarding time is needed? [2 marks]

Service departure=12:20−45 min=11:35.

Leave home 10 min earlier: 11:25.

Answer: 11:25.

6. A journey starts at 08:10, includes 25 min travel, 15 min wait and 40 min travel. Find arrival and check total time. [2 marks]

25+15+40=80 min.

08:10+1 h 20 min=09:30.

Answer: 09:30; total 80 min.