2.98 Timetables, Duration and the 24-Hour Clock: 1-hour Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 What is 08:15 in 12-hour time?

- [ ] A) 8:15 am
- [ ] B) 10:15 am
- [ ] C) 8:15 pm
- [ ] D) 9:15 am
- [ ] E) 7:15 am

---

2 A coach leaves Hartley at 19:50. The journey to Oakham takes 1 hour 15 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 21:45
- [ ] B) 22:05
- [ ] C) 20:25
- [ ] D) 21:05
- [ ] E) 21:15

---

3 Imogen catches a train from Westgate at 10:45. It takes 1 hour to reach Marlow Bay. Imogen then waits 15 minutes for a connection, and the second train to Stonebridge takes 1 hour 10 minutes. At what time does Imogen arrive in Stonebridge?

- [ ] A) 12:10
- [ ] B) 12:55
- [ ] C) 12:00
- [ ] D) 13:00
- [ ] E) 13:10

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4 A train leaves Marlow Bay at 12:56 and arrives at Riverton at 13:20. How long does the journey take?

- ☐ A) 1 hour 4 minutes
- ☐ B) 24 minutes
- ☐ C) 34 minutes
- ☐ D) 1 hour 24 minutes
- ☐ E) 2 hours 24 minutes

---

5 Buses leave Marlow Bay bus station every 25 minutes. The first bus leaves at 09:35. At what time does bus number 6 leave?

- ☐ A) 11:15
- ☐ B) 10:40
- ☐ C) 11:40
- ☐ D) 12:05
- ☐ E) 12:20

---

6 What is 3:30 pm in 24-hour time?

- ☐ A) 15:00
- ☐ B) 15:30
- ☐ C) 03:30
- ☐ D) 16:30
- ☐ E) 01:30

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7 The school day starts at 08:55 and finishes at 15:20. Work out the length of the school day in minutes.

(3)

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8 Fatima catches a train from Bramley at 14:00. It takes 20 minutes to reach Oakham. Fatima then waits 30 minutes for a connection, and the second train to Highcross takes 45 minutes. At what time does Fatima arrive in Highcross?

- [ ] A) 15:35
- [ ] B) 16:35
- [ ] C) 15:15
- [ ] D) 15:05
- [ ] E) 14:50

---

9 A train leaves Ashby at 15:35 and arrives at Hartley at 16:29. How long does the journey take?

- [ ] A) 1 hour 34 minutes
- [ ] B) 44 minutes
- [ ] C) 1 hour 4 minutes
- [ ] D) 54 minutes
- [ ] E) 1 hour 54 minutes

---

10 What is 00:05 in 12-hour time?

- [ ] A) 2:05 am
- [ ] B) 12:05 am
- [ ] C) 0:05 am
- [ ] D) 12:05 pm
- [ ] E) 11:05 am

---

11 A coach leaves Linford at 22:15. The journey to Oakham takes 1 hour 5 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 00:20
- [ ] B) 00:00
- [ ] C) 23:30
- [ ] D) 23:20
- [ ] E) 23:10

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12 Isla catches a train from Stonebridge at 08:50. It takes 1 hour 5 minutes to reach Bramley. Isla then waits 15 minutes for a connection, and the second train to Marlow Bay takes 1 hour 25 minutes. At what time does Isla arrive in Marlow Bay?

- ☐ A) 10:10
- ☐ B) 11:25
- ☐ C) 10:30
- ☐ D) 11:20
- ☐ E) 11:35

---

13 Buses leave Stonebridge bus station every 15 minutes. The first bus leaves at 11:35. At what time does bus number 8 leave?

- ☐ A) 13:20
- ☐ B) 14:20
- ☐ C) 13:50
- ☐ D) 13:05
- ☐ E) 13:35

---

14 What is 06:55 in 12-hour time?

- ☐ A) 5:55 am
- ☐ B) 7:55 am
- ☐ C) 8:55 am
- ☐ D) 6:55 am
- ☐ E) 6:55 pm

---

15 A coach leaves Riverton at 11:25. The journey to Highcross takes 30 minutes. At what time does it arrive? Give your answer in 24-hour time.

- ☐ A) 12:35
- ☐ B) 10:55
- ☐ C) 12:05
- ☐ D) 12:55
- ☐ E) 11:55

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16 Oliver catches a train from Oakham at 10:10. It takes 1 hour to reach Stonebridge. Oliver then waits 20 minutes for a connection, and the second train to Riverton takes 1 hour 30 minutes. At what time does Oliver arrive in Riverton?

- [ ] A) 12:40
- [ ] B) 13:00
- [ ] C) 11:30
- [ ] D) 14:00
- [ ] E) 12:00

---

17 A film starts at 12:51 and finishes at 15:48. How long is the film?

- [ ] A) 2 hours 57 minutes
- [ ] B) 2 hours 47 minutes
- [ ] C) 3 hours 57 minutes
- [ ] D) 4 hours 57 minutes
- [ ] E) 3 hours 7 minutes

---

18 Buses leave Oakham bus station every 35 minutes. The first bus leaves at 07:05. At what time does bus number 8 leave?

- [ ] A) 10:10
- [ ] B) 10:35
- [ ] C) 11:10
- [ ] D) 09:50
- [ ] E) 11:45

---

19 A coach leaves Oakham at 19:25. The journey to Ashby takes 1 hour 55 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 21:30
- [ ] B) 21:20
- [ ] C) 22:20
- [ ] D) 22:00
- [ ] E) 20:40

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20 Jack catches a train from Linford at 11:10. It takes 35 minutes to reach Marlow Bay. Jack then waits 30 minutes for a connection, and the second train to Stonebridge takes 1 hour 30 minutes. At what time does Jack arrive in Stonebridge?

- [ ] A) 12:15
- [ ] B) 13:15
- [ ] C) 13:45
- [ ] D) 14:45
- [ ] E) 13:35

---

21 A train leaves Highcross at 16:45 and arrives at Ashby at 18:30. How long does the journey take?

- [ ] A) 1 hour 35 minutes
- [ ] B) 45 minutes
- [ ] C) 2 hours 45 minutes
- [ ] D) 3 hours 5 minutes
- [ ] E) 1 hour 45 minutes

---

22 What is 3:30 am in 24-hour time?

- [ ] A) 03:30
- [ ] B) 13:30
- [ ] C) 02:30
- [ ] D) 15:30
- [ ] E) 04:30

---

23 A coach leaves Linford at 06:00. The journey to Marlow Bay takes 2 hours. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 09:00
- [ ] B) 08:00
- [ ] C) 07:20
- [ ] D) 08:10
- [ ] E) 07:50

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24 A film starts at 16:15 and finishes at 17:38. How long is the film?

- [ ] A) 1 hour 13 minutes
- [ ] B) 2 hours 3 minutes
- [ ] C) 23 minutes
- [ ] D) 2 hours 23 minutes
- [ ] E) 1 hour 23 minutes

---

25 Buses leave Highcross bus station every 12 minutes. The first bus leaves at 06:05. At what time does bus number 3 leave?

- [ ] A) 06:41
- [ ] B) 05:29
- [ ] C) 06:17
- [ ] D) 06:29
- [ ] E) 07:29

---

26 What is 07:50 in 12-hour time?

- [ ] A) 7:50 pm
- [ ] B) 7:50 am
- [ ] C) 8:50 am
- [ ] D) 6:50 am
- [ ] E) 9:50 am

---

27 A coach leaves Kingsfield at 20:25. The journey to Hartley takes 2 hours 5 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 22:30
- [ ] B) 22:40
- [ ] C) 23:30
- [ ] D) 21:50
- [ ] E) 21:30

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28 Ethan catches a train from Meadowford at 06:05. It takes 1 hour to reach Oakham. Ethan then waits 20 minutes for a connection, and the second train to Riverton takes 1 hour 10 minutes. At what time does Ethan arrive in Riverton?

- [ ] A) 07:25
- [ ] B) 09:35
- [ ] C) 09:15
- [ ] D) 08:35
- [ ] E) 08:15

---

29 A train leaves Riverton at 05:06 and arrives at Ashby at 06:32. How long does the journey take?

- [ ] A) 2 hours 6 minutes
- [ ] B) 1 hour 16 minutes
- [ ] C) 1 hour 26 minutes
- [ ] D) 2 hours 26 minutes
- [ ] E) 26 minutes

---

30 Buses leave Hartley bus station every 12 minutes. The first bus leaves at 12:10. At what time does bus number 7 leave?

- [ ] A) 13:34
- [ ] B) 13:46
- [ ] C) 12:22
- [ ] D) 13:10
- [ ] E) 13:22

---

31 A coach leaves Oakham at 13:20. The journey to Riverton takes 20 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 13:30
- [ ] B) 13:40
- [ ] C) 12:40
- [ ] D) 14:40
- [ ] E) 14:20

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32 Megan catches a train from Oakham at 10:25. It takes 40 minutes to reach Marlow Bay. Megan then waits 45 minutes for a connection, and the second train to Stonebridge takes 55 minutes. At what time does Megan arrive in Stonebridge?

- ☐ A) 12:35
- ☐ B) 11:50
- ☐ C) 12:45
- ☐ D) 13:45
- ☐ E) 12:00

---

33 A film starts at 15:23 and finishes at 19:21. How long is the film?

- ☐ A) 4 hours 58 minutes
- ☐ B) 3 hours 48 minutes
- ☐ C) 6 hours 38 minutes
- ☐ D) 3 hours 58 minutes
- ☐ E) 2 hours 58 minutes

---

34 What is 12:00 am in 24-hour time?

- ☐ A) 23:00
- ☐ B) 01:00
- ☐ C) 00:00
- ☐ D) 10:00
- ☐ E) 12:00

---

35 A coach leaves Linford at 09:35. The journey to Oakham takes 2 hours 15 minutes. At what time does it arrive? Give your answer in 24-hour time.

- ☐ A) 12:30
- ☐ B) 12:50
- ☐ C) 12:00
- ☐ D) 11:50
- ☐ E) 10:50

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36 Dylan catches a train from Hartley at 10:50. It takes 55 minutes to reach Oakham. Dylan then waits 15 minutes for a connection, and the second train to Stonebridge takes 1 hour 5 minutes. At what time does Dylan arrive in Stonebridge?

- [ ] A) 12:00
- [ ] B) 13:05
- [ ] C) 13:45
- [ ] D) 12:10
- [ ] E) 12:50

---

37 Buses leave Linford bus station every 12 minutes. The first bus leaves at 10:15. At what time does bus number 6 leave?

- [ ] A) 10:15
- [ ] B) 11:27
- [ ] C) 12:15
- [ ] D) 11:03
- [ ] E) 11:15

---

38 What is 9:30 am in 24-hour time?

- [ ] A) 09:30
- [ ] B) 21:30
- [ ] C) 10:30
- [ ] D) 19:30
- [ ] E) 08:30

---

39 A coach leaves Ashby at 10:05. The journey to Kingsfield takes 1 hour 45 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 11:10
- [ ] B) 12:00
- [ ] C) 12:50
- [ ] D) 11:50
- [ ] E) 11:40

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40 What is 03:35 in 12-hour time?

- [ ] A) 4:35 am
- [ ] B) 5:35 am
- [ ] C) 2:35 am
- [ ] D) 3:35 pm
- [ ] E) 3:35 am

---

41 Grace catches a train from Kingsfield at 07:05. It takes 1 hour 20 minutes to reach Stonebridge. Grace then waits 35 minutes for a connection, and the second train to Bramley takes 1 hour 25 minutes. At what time does Grace arrive in Bramley?

- [ ] A) 11:25
- [ ] B) 09:50
- [ ] C) 09:05
- [ ] D) 09:00
- [ ] E) 10:25

---

42 A film starts at 16:08 and finishes at 18:50. How long is the film?

- [ ] A) 2 hours 32 minutes
- [ ] B) 2 hours 42 minutes
- [ ] C) 1 hour 42 minutes
- [ ] D) 4 hours 2 minutes
- [ ] E) 3 hours 42 minutes

---

43 Buses leave Bramley bus station every 30 minutes. The first bus leaves at 06:25. At what time does bus number 5 leave?

- [ ] A) 07:55
- [ ] B) 07:25
- [ ] C) 08:25
- [ ] D) 08:55
- [ ] E) 09:25

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44 A coach leaves Meadowford at 11:10. The journey to Westgate takes 35 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 11:45
- [ ] B) 11:35
- [ ] C) 10:45
- [ ] D) 12:45
- [ ] E) 11:55

---

45 Maya catches a train from Meadowford at 10:50. It takes 30 minutes to reach Hartley. Maya then waits 45 minutes for a connection, and the second train to Highcross takes 1 hour 35 minutes. At what time does Maya arrive in Highcross?

- [ ] A) 13:30
- [ ] B) 13:40
- [ ] C) 12:55
- [ ] D) 13:10
- [ ] E) 12:05

---

46 A film starts at 12:33 and finishes at 14:36. How long is the film?

- [ ] A) 3 hours 3 minutes
- [ ] B) 3 hours 23 minutes
- [ ] C) 1 hour 3 minutes
- [ ] D) 2 hours 3 minutes
- [ ] E) 2 hours 13 minutes

---

47 What is 3:15 am in 24-hour time?

- [ ] A) 15:15
- [ ] B) 02:15
- [ ] C) 04:15
- [ ] D) 03:15
- [ ] E) 13:15

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48 A coach leaves Marlow Bay at 07:05. The journey to Oakham takes 45 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 07:40
- [ ] B) 07:50
- [ ] C) 06:50
- [ ] D) 08:00
- [ ] E) 08:50

---

49 A coach leaves Ashby at 21:45. The journey to Westgate takes 45 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 23:10
- [ ] B) 22:30
- [ ] C) 22:40
- [ ] D) 23:30
- [ ] E) 22:20

---

50 A train leaves Highcross at 16:06 and arrives at Bramley at 18:52. How long does the journey take?

- [ ] A) 1 hour 46 minutes
- [ ] B) 4 hours 6 minutes
- [ ] C) 2 hours 46 minutes
- [ ] D) 3 hours 46 minutes
- [ ] E) 2 hours 56 minutes

---

51 Buses leave Stonebridge bus station every 10 minutes. The first bus leaves at 08:05. At what time does bus number 3 leave?

- [ ] A) 08:25
- [ ] B) 08:35
- [ ] C) 09:25
- [ ] D) 08:45
- [ ] E) 08:15

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52 What is 7:00 pm in 24-hour time?

- [ ] A) 20:00
- [ ] B) 19:30
- [ ] C) 05:00
- [ ] D) 07:00
- [ ] E) 19:00

---

53 A coach leaves Stonebridge at 11:05. The journey to Linford takes 1 hour 5 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 12:00
- [ ] B) 12:50
- [ ] C) 12:10
- [ ] D) 13:10
- [ ] E) 11:10

---

54 Ethan catches a train from Westgate at 06:05. It takes 1 hour to reach Stonebridge. Ethan then waits 15 minutes for a connection, and the second train to Riverton takes 1 hour 35 minutes. At what time does Ethan arrive in Riverton?

- [ ] A) 07:55
- [ ] B) 08:55
- [ ] C) 09:55
- [ ] D) 07:20
- [ ] E) 08:40

---

55 A train leaves Highcross at 17:36 and arrives at Bramley at 19:56. How long does the journey take?

- [ ] A) 3 hours 20 minutes
- [ ] B) 1 hour 20 minutes
- [ ] C) 3 hours 40 minutes
- [ ] D) 2 hours 20 minutes
- [ ] E) 2 hours 10 minutes

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56 Buses leave Linford bus station every 30 minutes. The first bus leaves at 13:20. At what time does bus number 4 leave?

- [ ] A) 14:50
- [ ] B) 15:50
- [ ] C) 15:20
- [ ] D) 14:20
- [ ] E) 14:10

---

57 A coach leaves Meadowford at 10:15. The journey to Hartley takes 1 hour 15 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 12:10
- [ ] B) 11:30
- [ ] C) 12:30
- [ ] D) 10:30
- [ ] E) 11:40

---

58 Ravi catches a train from Riverton at 11:05. It takes 1 hour 20 minutes to reach Ashby. Ravi then waits 30 minutes for a connection, and the second train to Linford takes 1 hour 15 minutes. At what time does Ravi arrive in Linford?

- [ ] A) 14:50
- [ ] B) 12:55
- [ ] C) 13:40
- [ ] D) 14:10
- [ ] E) 12:50

---

59 Kwame catches a train from Oakham at 11:20. It takes 25 minutes to reach Riverton. Kwame then waits 25 minutes for a connection, and the second train to Ashby takes 1 hour 5 minutes. At what time does Kwame arrive in Ashby?

- [ ] A) 13:55
- [ ] B) 13:05
- [ ] C) 12:10
- [ ] D) 12:50
- [ ] E) 13:15

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60 Buses stop at the High Street at 09:40 and 10:05. If you arrive at the bus stop at 09:53, how many minutes must you wait for the next bus?

(1)

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61 A journey is as follows: train departs 12:15 and arrives at the interchange at 12:55. A connecting bus leaves the interchange at 13:10 and takes 40 minutes to the final stop. Calculate the total time from 12:15 until arrival at the final stop, giving your answer in minutes.

(2)

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Mark scheme · 2.98 Timetables, Duration and the 24-Hour Clock: 1-hour Pack

Question 1

correct option A (8:15 am) cao **B1**

Answer: A) 8:15 am

Question 2

correct option D (21:05) cao **B1**

Answer: D) 21:05

Question 3

correct option E (13:10) cao **B1**

Answer: E) 13:10

Question 4

correct option B (24 minutes) cao **B1**

Answer: B) 24 minutes

Question 5

correct option C (11:40) cao **B1**

Answer: C) 11:40

Question 6

correct option B (15:30) cao **B1**

Answer: B) 15:30

Question 7

calculates hours difference 08:55 to 15:20 = 6 hours and some minutes **M1**

calculates minutes: 6 hours = 360 minutes and extra 25 minutes **M1**

385 minutes cao **A1**

Answer: 385 minutes (08:55 to 15:20 = 6 hours 25 minutes = 6 x 60 + 25 = 360 + 25 = 385).

Question 8

correct option A (15:35) cao **B1**

Answer: A) 15:35

Question 9

correct option D (54 minutes) cao **B1**

Answer: D) 54 minutes

Question 10

correct option B (12:05 am) cao **B1**

Answer: B) 12:05 am

Question 11

correct option D (23:20) cao **B1**

Answer: D) 23:20

Question 12

correct option E (11:35) cao **B1**

Answer: E) 11:35

Question 13

correct option A (13:20) cao **B1**

Answer: A) 13:20

Question 14

correct option D (6:55 am) cao **B1**

Answer: D) 6:55 am

Question 15

correct option E (11:55) cao **B1**

Answer: E) 11:55

Question 16

correct option B (13:00) cao **B1**

Answer: B) 13:00

Question 17

correct option A (2 hours 57 minutes) cao **B1**

Answer: A) 2 hours 57 minutes

Question 18

correct option C (11:10) cao **B1**

Answer: C) 11:10

Question 19

correct option B (21:20) cao **B1**

Answer: B) 21:20

Question 20

correct option C (13:45) cao **B1**

Answer: C) 13:45

Question 21

correct option E (1 hour 45 minutes) cao **B1**

Answer: E) 1 hour 45 minutes

Question 22

correct option A (03:30) cao **B1**

Answer: A) 03:30

Question 23

correct option B (08:00) cao **B1**

Answer: B) 08:00

Question 24

correct option E (1 hour 23 minutes) cao **B1**

Answer: E) 1 hour 23 minutes

Question 25

correct option D (06:29) cao **B1**

Answer: D) 06:29

Question 26

correct option B (7:50 am) cao **B1**

Answer: B) 7:50 am

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Question 27

correct option A (22:30) cao **B1**

Answer: A) 22:30

Question 28

correct option D (08:35) cao **B1**

Answer: D) 08:35

Question 29

correct option C (1 hour 26 minutes) cao **B1**

Answer: C) 1 hour 26 minutes

Question 30

correct option E (13:22) cao **B1**

Answer: E) 13:22

Question 31

correct option B (13:40) cao **B1**

Answer: B) 13:40

Question 32

correct option C (12:45) cao **B1**

Answer: C) 12:45

Question 33

correct option D (3 hours 58 minutes) cao **B1**

Answer: D) 3 hours 58 minutes

Question 34

correct option C (00:00) cao **B1**

Answer: C) 00:00

Question 35

correct option D (11:50) cao **B1**

Answer: D) 11:50

Question 36

correct option B (13:05) cao **B1**

Answer: B) 13:05

Question 37

correct option E (11:15) cao **B1**

Answer: E) 11:15

Question 38

correct option A (09:30) cao **B1**

Answer: A) 09:30

Question 39

correct option D (11:50) cao **B1**

Answer: D) 11:50

Question 40

correct option E (3:35 am) cao **B1**

Answer: E) 3:35 am

Question 41

correct option E (10:25) cao **B1**

Answer: E) 10:25

Question 42

correct option B (2 hours 42 minutes) cao **B1**

Answer: B) 2 hours 42 minutes

Question 43

correct option C (08:25) cao **B1**

Answer: C) 08:25

Question 44

correct option A (11:45) cao **B1**

Answer: A) 11:45

Question 45

correct option B (13:40) cao **B1**

Answer: B) 13:40

Question 46

correct option D (2 hours 3 minutes) cao **B1**

Answer: D) 2 hours 3 minutes

Question 47

correct option D (03:15) cao **B1**

Answer: D) 03:15

Question 48

correct option B (07:50) cao **B1**

Answer: B) 07:50

Question 49

correct option B (22:30) cao **B1**

Answer: B) 22:30

Question 50

correct option C (2 hours 46 minutes) cao **B1**

Answer: C) 2 hours 46 minutes

Question 51

correct option A (08:25) cao **B1**

Answer: A) 08:25

Question 52

correct option E (19:00) cao **B1**

Answer: E) 19:00

Question 53

correct option C (12:10) cao **B1**

Answer: C) 12:10

Question 54

correct option B (08:55) cao **B1**

Answer: B) 08:55

Question 55

correct option D (2 hours 20 minutes) cao **B1**

Answer: D) 2 hours 20 minutes

Question 56

correct option A (14:50) cao **B1**

Answer: A) 14:50

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Question 57

correct option B (11:30) cao **B1**

Answer: B) 11:30

Question 58

correct option D (14:10) cao **B1**

Answer: D) 14:10

Question 59

correct option E (13:15) cao **B1**

Answer: E) 13:15

Question 60

12 minutes cao **B1**

Answer: 12 minutes (next bus at 10:05; 10:05 minus 09:53 = 12 minutes).

Question 61

adds journey parts and waiting time correctly (40 + 15 + 40) or equivalent method **M1**

95 minutes cao **A1**

Answer: 95 minutes (train 40 min, wait 15 min, bus 40 min; total 40+15+40 = 95).

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