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

Total Marks

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

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A complex journey starts at 05:55. The first leg takes 1 hour 25 minutes. At arrival there is a 25 minute wait, then a bus ride of 1 hour 15 minutes, followed by a 10 minute wait and a final train of 50 minutes. What time do you arrive at the end of the journey (24-hour clock), and what is the total duration of the journey in minutes?

(4)

---

2 Which of these is the correct 12-hour clock name for 00:00?

- ☐ A) 12:00 am (midnight)
- ☐ B) 12:00 pm (noon)
- ☐ C) 00:00 (24-hour)
- ☐ D) 11:59 pm
- ☐ E) 12:01 am

---

3 What is 7:20 pm written in 24-hour clock notation?

- ☐ A) 07:20
- ☐ B) 17:20
- ☐ C) 19:20
- ☐ D) 20:20
- ☐ E) 12:20

© Revision Library | revisionlibrary.co.uk

4 A night bus leaves at 23:50. The journey takes 25 minutes. At what time does it arrive (24-hour clock)?

- [ ] A) 00:05
- [ ] B) 00:10
- [ ] C) 00:15
- [ ] D) 23:25
- [ ] E) 01:15

---

5 Buses leave Marlow Bay bus station every 12 minutes. The first bus leaves at 09:30. At what time does bus number 7 leave?

- [ ] A) 10:30
- [ ] B) 10:02
- [ ] C) 11:42
- [ ] D) 10:54
- [ ] E) 10:42

---

6 A late-evening train departs at 21:40 and arrives at 00:25 the next day. Calculate the duration of the journey in hours and minutes.

(2)

---

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

- [ ] A) 19:30
- [ ] B) 06:30
- [ ] C) 04:30
- [ ] D) 18:30
- [ ] E) 17:30

© Revision Library | revisionlibrary.co.uk

8 Buses leave Kingsfield bus station every 25 minutes. The first bus leaves at 07:40. At what time does bus number 6 leave?

- [ ] A) 09:20
- [ ] B) 10:10
- [ ] C) 09:45
- [ ] D) 08:45
- [ ] E) 10:45

---

9 A coach leaves Linford at 21:00. The journey to Westgate takes 1 hour 45 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 22:35
- [ ] B) 22:05
- [ ] C) 22:45
- [ ] D) 23:45
- [ ] E) 21:45

---

10 What is 7:05 am in 24-hour time?

- [ ] A) 07:05
- [ ] B) 06:05
- [ ] C) 19:05
- [ ] D) 17:05
- [ ] E) 07:35

---

11 A train leaves Stonebridge at 12:45 and arrives at Kingsfield at 16:22. How long does the journey take?

- [ ] A) 3 hours 47 minutes
- [ ] B) 2 hours 37 minutes
- [ ] C) 4 hours 37 minutes
- [ ] D) 6 hours 17 minutes
- [ ] E) 3 hours 37 minutes

© Revision Library | revisionlibrary.co.uk

12 A coach leaves Kingsfield at 18:55. The journey to Oakham takes 1 hour 30 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 19:25
- [ ] B) 21:25
- [ ] C) 19:45
- [ ] D) 21:05
- [ ] E) 20:25

---

13 Buses leave Riverton bus station every 30 minutes. The first bus leaves at 13:05. At what time does bus number 4 leave?

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

---

14 A film starts at 08:29 and finishes at 09:49. How long is the film?

- [ ] A) 20 minutes
- [ ] B) 2 hours
- [ ] C) 1 hour 20 minutes
- [ ] D) 2 hours 20 minutes
- [ ] E) 1 hour 30 minutes

---

15 What is 8:00 am in 24-hour time?

- [ ] A) 08:00
- [ ] B) 08:30
- [ ] C) 18:00
- [ ] D) 20:00
- [ ] E) 09:00

© Revision Library | revisionlibrary.co.uk

16 Buses leave Bramley bus station every 35 minutes. The first bus leaves at 13:05. At what time does bus number 4 leave?

- [ ] A) 14:10
- [ ] B) 15:50
- [ ] C) 15:25
- [ ] D) 14:50
- [ ] E) 14:15

---

17 Jack catches a train from Stonebridge at 08:35. It takes 1 hour 5 minutes to reach Hartley. Jack then waits 20 minutes for a connection, and the second train to Westgate takes 55 minutes. At what time does Jack arrive in Westgate?

- [ ] A) 10:35
- [ ] B) 10:00
- [ ] C) 10:55
- [ ] D) 09:50
- [ ] E) 10:45

---

18 What is 8:30 am in 24-hour time?

- [ ] A) 08:30
- [ ] B) 20:30
- [ ] C) 08:00
- [ ] D) 07:30
- [ ] E) 18:30

---

19 Buses leave Meadowford bus station every 25 minutes. The first bus leaves at 09:25. At what time does bus number 3 leave?

- [ ] A) 10:55
- [ ] B) 09:50
- [ ] C) 10:40
- [ ] D) 09:15
- [ ] E) 10:15

© Revision Library | revisionlibrary.co.uk

20 A film starts at 10:27 and finishes at 13:14. How long is the film?

- [ ] A) 2 hours 47 minutes
- [ ] B) 2 hours 37 minutes
- [ ] C) 3 hours 47 minutes
- [ ] D) 1 hour 47 minutes
- [ ] E) 4 hours 47 minutes

---

21 What is 06:50 in 12-hour time?

- [ ] A) 5:50 am
- [ ] B) 8:50 am
- [ ] C) 6:50 am
- [ ] D) 7:50 am
- [ ] E) 6:50 pm

---

22 Buses leave Oakham bus station every 45 minutes. The first bus leaves at 08:35. At what time does bus number 6 leave?

- [ ] A) 13:50
- [ ] B) 11:20
- [ ] C) 13:05
- [ ] D) 11:35
- [ ] E) 12:20

---

23 Sienna catches a train from Meadowford at 10:15. It takes 1 hour 15 minutes to reach Stonebridge. Sienna then waits 45 minutes for a connection, and the second train to Bramley takes 1 hour. At what time does Sienna arrive in Bramley?

- [ ] A) 14:15
- [ ] B) 13:55
- [ ] C) 12:15
- [ ] D) 12:30
- [ ] E) 13:15

© Revision Library | revisionlibrary.co.uk

24 What is 06:15 in 12-hour time?

- [ ] A) 6:15 am
- [ ] B) 6:15 pm
- [ ] C) 8:15 am
- [ ] D) 7:15 am
- [ ] E) 5:15 am

---

25 A train leaves Stonebridge at 6:17 pm and arrives at Kingsfield at 7:31 pm. How long does the journey take?

- [ ] A) 1 hour 54 minutes
- [ ] B) 1 hour 4 minutes
- [ ] C) 1 hour 14 minutes
- [ ] D) 14 minutes
- [ ] E) 2 hours 14 minutes

---

26 Hamza catches a train from Linford at 10:00. It takes 55 minutes to reach Kingsfield. Hamza then waits 35 minutes for a connection, and the second train to Meadowford takes 1 hour 10 minutes. At what time does Hamza arrive in Meadowford?

- [ ] A) 11:30
- [ ] B) 13:40
- [ ] C) 11:45
- [ ] D) 12:05
- [ ] E) 12:40

---

27 Buses leave Marlow Bay bus station every 20 minutes. The first bus leaves at 08:00. At what time does bus number 9 leave?

- [ ] A) 11:00
- [ ] B) 10:40
- [ ] C) 10:20
- [ ] D) 11:40
- [ ] E) 09:40

© Revision Library | revisionlibrary.co.uk

28 A film starts at 14:15 and finishes at 15:54. How long is the film?

- [ ] A) 39 minutes
- [ ] B) 2 hours 39 minutes
- [ ] C) 2 hours 19 minutes
- [ ] D) 1 hour 49 minutes
- [ ] E) 1 hour 39 minutes

---

29 Buses leave Stonebridge bus station every 10 minutes. The first bus leaves at 10:25. At what time does bus number 5 leave?

- [ ] A) 12:05
- [ ] B) 11:15
- [ ] C) 10:55
- [ ] D) 11:45
- [ ] E) 11:05

---

30 Buses leave Linford bus station every 15 minutes. The first bus leaves at 12:40. At what time does bus number 5 leave?

- [ ] A) 13:55
- [ ] B) 13:40
- [ ] C) 14:10
- [ ] D) 13:25
- [ ] E) 12:40

---

31 Isla catches a train from Westgate at 10:30. It takes 1 hour 20 minutes to reach Oakham. Isla then waits 30 minutes for a connection, and the second train to Stonebridge takes 55 minutes. At what time does Isla arrive in Stonebridge?

- [ ] A) 12:45
- [ ] B) 11:55
- [ ] C) 13:05
- [ ] D) 13:15
- [ ] E) 12:20

© Revision Library | revisionlibrary.co.uk

32 A coach leaves Westgate at 09:30. The journey to Marlow Bay takes 1 hour 30 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 10:50
- [ ] B) 10:00
- [ ] C) 10:20
- [ ] D) 11:00
- [ ] E) 12:00

---

33 A film starts at 19:37 and finishes at 20:03. How long is the film?

- [ ] A) 1 hour 26 minutes
- [ ] B) 1 hour 6 minutes
- [ ] C) 1 hour 34 minutes
- [ ] D) 26 minutes
- [ ] E) 16 minutes

---

34 Zainab catches a train from Ashby at 09:05. It takes 1 hour 15 minutes to reach Oakham. Zainab then waits 15 minutes for a connection, and the second train to Meadowford takes 30 minutes. At what time does Zainab arrive in Meadowford?

- [ ] A) 10:50
- [ ] B) 10:55
- [ ] C) 11:05
- [ ] D) 10:35
- [ ] E) 09:50

---

35 A coach leaves Stonebridge at 09:50. The journey to Meadowford takes 40 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 10:20
- [ ] B) 11:30
- [ ] C) 11:10
- [ ] D) 10:30
- [ ] E) 09:30

© Revision Library | revisionlibrary.co.uk

36 A film starts at 07:39 and finishes at 09:59. How long is the film?

- [ ] A) 1 hour 20 minutes
- [ ] B) 3 hours 20 minutes
- [ ] C) 2 hours 30 minutes
- [ ] D) 3 hours 40 minutes
- [ ] E) 2 hours 20 minutes

---

37 A train leaves Ashby at 14:29 and arrives at Westgate at 15:20. How long does the journey take?

- [ ] A) 1 hour 9 minutes
- [ ] B) 51 minutes
- [ ] C) 1 hour 31 minutes
- [ ] D) 2 hours 51 minutes
- [ ] E) 1 hour 51 minutes

---

38 What is 1:45 pm in 24-hour time?

- [ ] A) 14:45
- [ ] B) 13:15
- [ ] C) 13:45
- [ ] D) 23:45
- [ ] E) 01:45

---

39 Niamh catches a train from Bramley at 10:35. It takes 55 minutes to reach Highcross. Niamh then waits 45 minutes for a connection, and the second train to Oakham takes 30 minutes. At what time does Niamh arrive in Oakham?

- [ ] A) 12:15
- [ ] B) 12:35
- [ ] C) 12:45
- [ ] D) 13:45
- [ ] E) 12:00

© Revision Library | revisionlibrary.co.uk

40 A coach leaves Riverton at 06:45. The journey to Bramley takes 1 hour 25 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 09:10
- [ ] B) 08:10
- [ ] C) 08:20
- [ ] D) 08:50
- [ ] E) 07:30

---

41 What is 10:15 am in 24-hour time?

- [ ] A) 10:45
- [ ] B) 20:15
- [ ] C) 11:15
- [ ] D) 10:15
- [ ] E) 22:15

---

42 Ffion catches a train from Ashby at 13:20. It takes 55 minutes to reach Oakham. Ffion then waits 15 minutes for a connection, and the second train to Kingsfield takes 1 hour. At what time does Ffion arrive in Kingsfield?

- [ ] A) 14:30
- [ ] B) 14:35
- [ ] C) 15:30
- [ ] D) 15:15
- [ ] E) 16:10

---

43 A coach leaves Westgate at 19:15. The journey to Stonebridge takes 15 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 18:30
- [ ] B) 19:40
- [ ] C) 19:30
- [ ] D) 20:30
- [ ] E) 19:20

© Revision Library | revisionlibrary.co.uk

44 What is 1:00 am in 24-hour time?

- ☐ A) 13:00
- ☐ B) 11:00
- ☐ C) 01:30
- ☐ D) 00:00
- ☐ E) 01:00

---

45 A film starts at 17:58 and finishes at 18:36. How long is the film?

- ☐ A) 1 hour 38 minutes
- ☐ B) 28 minutes
- ☐ C) 1 hour 18 minutes
- ☐ D) 38 minutes
- ☐ E) 48 minutes

---

46 A train timetable shows a departure from Colne at 14:40 and arrival at Eastbury at 15:55.

(a) How long is the scheduled journey from Colne to Eastbury? **(1)**

.....

(b) If the train is delayed and arrives at 16:03, how many minutes later than scheduled is the arrival? **(1)**

.....

---

47 What is 5:30 am in 24-hour time?

- ☐ A) 05:30
- ☐ B) 15:30
- ☐ C) 04:30
- ☐ D) 06:30
- ☐ E) 17:30

© Revision Library | revisionlibrary.co.uk

48 Isla catches a train from Stonebridge at 13:10. It takes 1 hour 5 minutes to reach Highcross. Isla then waits 45 minutes for a connection, and the second train to Oakham takes 1 hour 25 minutes. At what time does Isla arrive in Oakham?

- [ ] A) 15:00
- [ ] B) 16:25
- [ ] C) 17:05
- [ ] D) 15:20
- [ ] E) 15:40

---

49 What is 12:30 am in 24-hour time?

- [ ] A) 00:30
- [ ] B) 12:30
- [ ] C) 10:30
- [ ] D) 23:30
- [ ] E) 01:30

---

50 Amara catches a train from Ashby at 08:15. It takes 1 hour 20 minutes to reach Linford. Amara then waits 45 minutes for a connection, and the second train to Marlow Bay takes 1 hour 35 minutes. At what time does Amara arrive in Marlow Bay?

- [ ] A) 10:20
- [ ] B) 12:35
- [ ] C) 11:55
- [ ] D) 10:35
- [ ] E) 11:10

---

51 A coach leaves Bramley at 19:35. The journey to Ashby takes 15 minutes. At what time does it arrive? Give your answer in 24-hour time.

- [ ] A) 20:30
- [ ] B) 20:50
- [ ] C) 20:00
- [ ] D) 18:50
- [ ] E) 19:50

© Revision Library | revisionlibrary.co.uk

52 Buses leave Linford bus station every 20 minutes. The first bus leaves at 07:15. At what time does bus number 3 leave?

- [ ] A) 07:55
- [ ] B) 08:55
- [ ] C) 07:35
- [ ] D) 06:55
- [ ] E) 08:15

---

53 A ferry trip starts at 22:30 and ends at 01:20 the next day. What is the duration of the trip in hours and minutes?

(2)

---

54 What is 10:15 in 12-hour time?

- [ ] A) 12:15 am
- [ ] B) 9:15 am
- [ ] C) 10:15 pm
- [ ] D) 11:15 am
- [ ] E) 10:15 am

---

55 Buses leave Linford bus station every 12 minutes. The first bus leaves at 06:35. At what time does bus number 8 leave?

- [ ] A) 08:59
- [ ] B) 07:59
- [ ] C) 06:59
- [ ] D) 08:11
- [ ] E) 07:47

© Revision Library | revisionlibrary.co.uk

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

Question 1

computes arrival after first leg: 05:55 + 1h25 = 07:20 **M1**

computes arrival after bus leg: 07:20 + 25 wait + 1h15 = 09:00 **M1**

computes final arrival after 10 minute wait and 50 minute train = 10:00 **M1**

total duration 245 minutes and arrival 10:00 cao **A1**

Answer: Arrival 10:00. Total duration 245 minutes (05:55 to 10:00 = 4 hours 5 minutes = 245 minutes).

Question 2

correct option A (12:00 am, midnight) cao **B1**

Answer: A) 12:00 am (midnight).

Question 3

correct option C (19:20) cao **B1**

Answer: C) 19:20

Question 4

correct option C (00:15) cao **B1**

Answer: C) 00:15

Question 5

correct option E (10:42) cao **B1**

Answer: E) 10:42

Question 6

recognises crossing midnight and computes 21:40 to 24:00 = 2h20 and 00:00 to 00:25 = 0h25 **M1**

2 hours 45 minutes cao **A1**

Answer: 2 hours 45 minutes (21:40 to 00:25 = 2h20 + 0h25 = 2h45).

Question 7

correct option D (18:30) cao **B1**

Answer: D) 18:30

Question 8

correct option C (09:45) cao **B1**

Answer: C) 09:45

Question 9

correct option C (22:45) cao **B1**

Answer: C) 22:45

Question 10

correct option A (07:05) cao **B1**

Answer: A) 07:05

Question 11

correct option E (3 hours 37 minutes) cao **B1**

Answer: E) 3 hours 37 minutes

Question 12

correct option E (20:25) cao **B1**

Answer: E) 20:25

Question 13

correct option C (14:35) cao **B1**

Answer: C) 14:35

Question 14

correct option C (1 hour 20 minutes) cao **B1**

Answer: C) 1 hour 20 minutes

Question 15

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

Answer: A) 08:00

Question 16

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

Answer: D) 14:50

Question 17

correct option C (10:55) cao **B1**

Answer: C) 10:55

Question 18

correct option A (08:30) cao **B1**

Answer: A) 08:30

Question 19

correct option E (10:15) cao **B1**

Answer: E) 10:15

Question 20

correct option A (2 hours 47 minutes) cao **B1**

Answer: A) 2 hours 47 minutes

Question 21

correct option C (6:50 am) cao **B1**

Answer: C) 6:50 am

Question 22

correct option E (12:20) cao **B1**

Answer: E) 12:20

Question 23

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

Answer: E) 13:15

Question 24

correct option A (6:15 am) cao **B1**

Answer: A) 6:15 am

Question 25

correct option C (1 hour 14 minutes) cao **B1**

Answer: C) 1 hour 14 minutes

© Revision Library | revisionlibrary.co.uk

Question 26

correct option E (12:40) cao **B1**

Answer: E) 12:40

Question 27

correct option B (10:40) cao **B1**

Answer: B) 10:40

Question 28

correct option E (1 hour 39 minutes) cao **B1**

Answer: E) 1 hour 39 minutes

Question 29

correct option E (11:05) cao **B1**

Answer: E) 11:05

Question 30

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

Answer: B) 13:40

Question 31

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

Answer: D) 13:15

Question 32

correct option D (11:00) cao **B1**

Answer: D) 11:00

Question 33

correct option D (26 minutes) cao **B1**

Answer: D) 26 minutes

Question 34

correct option C (11:05) cao **B1**

Answer: C) 11:05

Question 35

correct option D (10:30) cao **B1**

Answer: D) 10:30

Question 36

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

Answer: E) 2 hours 20 minutes

Question 37

correct option B (51 minutes) cao **B1**

Answer: B) 51 minutes

Question 38

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

Answer: C) 13:45

Question 39

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

Answer: C) 12:45

Question 40

correct option B (08:10) cao **B1**

Answer: B) 08:10

Question 41

correct option D (10:15) cao **B1**

Answer: D) 10:15

Question 42

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

Answer: C) 15:30

Question 43

correct option C (19:30) cao **B1**

Answer: C) 19:30

Question 44

correct option E (01:00) cao **B1**

Answer: E) 01:00

Question 45

correct option D (38 minutes) cao **B1**

Answer: D) 38 minutes

Question 46

(a) 1 hour 15 minutes (14:40 to 15:55) cao **B1**

(a) Answer: 1 hour 15 minutes

(b) 8 minutes later than scheduled cao **B1**

(b) Answer: 8 minutes later

Question 47

correct option A (05:30) cao **B1**

Answer: A) 05:30

Question 48

correct option B (16:25) cao **B1**

Answer: B) 16:25

Question 49

correct option A (00:30) cao **B1**

Answer: A) 00:30

Question 50

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

Answer: C) 11:55

Question 51

correct option E (19:50) cao **B1**

Answer: E) 19:50

Question 52

correct option A (07:55) cao **B1**

Answer: A) 07:55

Question 53

recognises crossing midnight and computes 22:30 to 24:00 = 1h30 and 00:00 to 01:20 = 1h20 **M1**

2 hours 50 minutes cao **A1**

Answer: 2 hours 50 minutes

Question 54

correct option E (10:15 am) cao **B1**

Answer: E) 10:15 am

© Revision Library | revisionlibrary.co.uk

Question 55

correct option B (07:59) cao **B1**

Answer: B) 07:59

© Revision Library | revisionlibrary.co.uk