Year 3 maths: Time across the hour (Hard)

Maths · Measurement
Level: Hard

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. The school bus leaves at 6:53 am and reaches the camp at 8:16 am. How long is the trip?

Circle one answer.





○ **A** 1 hour 63 minutes
○ **B** 2 hours 23 minutes
○ **C** 1 hour 13 minutes
○ **D** 1 hour 37 minutes
○ **E** 1 hour 23 minutes

2. A movie starts at 6:35 pm and lasts 146 minutes. When does it finish?

Circle one answer.

○ **A** 8:01 pm ○ **B** 8:61 pm ○ **C** 8:21 pm ○ **D** 9:01 pm ○ **E** 9:01 am

3. The timetable says a train leaves Central at 9:42 am and arrives at Hilltop at 11:07 am. Noah makes three claims: 1 The trip takes 1 hour 25 minutes. 2 The trip takes less than 90 minutes. 3 If the train leaves 20 minutes late and the trip takes the same time, it arrives at 11:17 am. Which claims are correct?

Circle one answer.

○ **A** claim 1 only
○ **B** claim 3 only
○ **C** claims 1 and 2 only
○ **D** claims 2 and 3 only
○ **E** claims 1, 2 and 3

4. A runner started a race at 7:20 am and finished at 11:03 am. How many minutes did she run?

Answer: ☐ minutes

Working:

5. The clock shows when a music festival opens. It closes 410 minutes later. When does it close?

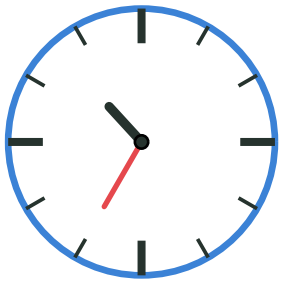
Circle one answer.



○ **A** 4:65 ○ **B** 4:15 ○ **C** 2:25 ○ **D** 3:25 ○ **E** 5:05

6. Lachlan's watch has no numbers on its dial. What time does it show?

Circle one answer.



○ **A** 25 to 10 ○ **B** 20 to 11 ○ **C** 7 minutes past 10 ○ **D** 25 past 10 ○ **E** 25 to 11

7. A school concert ran from 9:50 am to 4:25 pm. How long did it run?

Circle one answer.

○ **A** 5 hours 35 minutes ○ **B** 6 hours 75 minutes ○ **C** 6 hours 25 minutes ○ **D** 6 hours 35 minutes ○ **E** 7 hours

8. A plumber arrived at Mr Nguyen's house at 1:38 pm and left at 2:21 pm. How long was the plumber there?

Circle one answer.

○ **A** 17 minutes ○ **B** 22 minutes ○ **C** 43 minutes ○ **D** 83 minutes ○ **E** 1 hour 43 minutes

9. Priya leaves home at 3:20 pm. She walks 10 minutes to the library, reads for 35 minutes, then shops for 20 minutes. She catches the bus home and arrives at 4:55 pm. How long was the bus trip?

Circle one answer.

○ **A** 160 minutes ○ **B** 95 minutes ○ **C** 70 minutes

○ **D** 40 minutes ○ **E** 30 minutes

---

10. Lena's swimming lesson is booked for 3:40 pm. She gets there 9 minutes early. The coach starts the lesson 6 minutes late. The lesson lasts 35 minutes, and Lena leaves 5 minutes after it ends. What time does she leave?

Circle one answer.

○ **A** 3:26 pm ○ **B** 4:14 pm ○ **C** 4:20 pm ○ **D** 4:17 pm

○ **E** 4:26 pm

Answer key

Year 3 maths: Time across the hour (Hard) · Sheet 620918

1. E — 1 hour 23 minutes

6:53 to 7:00 is 7 minutes. 7:00 to 8:00 is 1 hour. 8:00 to 8:16 is 16 minutes. 7 + 16 = 23: 1 hour 23 minutes.

2. D — 9:01 pm

146 minutes = 2 hours 26 minutes. 6:35 + 2 hours = 8:35 pm. 25 minutes makes 9:00 pm, 1 more makes 9:01 pm.

3. C — claims 1 and 2 only

Claim 1: 9:42 to 10:00 is 18, 10:00 to 11:00 is 60, 11:00 to 11:07 is 7: 85 minutes = 1 hour 25 minutes. True. Claim 2: 85 is less than 90. True. Claim 3: 20 minutes late makes it 11:27 am, not 11:17. False.

4. 223 minutes

7:20 to 8:00 is 40 minutes. 8:00 to 11:00 is 3 hours = 180. 11:00 to 11:03 is 3. 40 + 180 + 3 = 223 minutes.

5. E — 5:05

410 minutes is 6 hours 50 minutes (6 × 60 = 360, and 50 more). 6 hours after 10:15 is 4:15. 50 minutes more is 5:05.

6. E — 25 to 11

Count the marks in fives: the long hand is on the 7th mark, 35 minutes past. 35 past is 25 to the next hour. The short hand has gone past the 10th mark, so it is 25 to 11.

7. D — 6 hours 35 minutes

9:50 am to 10:00 am is 10 minutes. 10:00 am to 4:00 pm is 6 hours (2 to noon, then 4). 4:00 pm to 4:25 pm is 25 minutes. 6 hours and 10 + 25 = 35 minutes.

8. C — 43 minutes

1:38 to 2:00 is 22 minutes. 2:00 to 2:21 is 21 minutes. 22 + 21 = 43 minutes.

9. E — 30 minutes

3:20 pm to 4:55 pm is 1 hour 35 minutes = 95 minutes. The other parts take 10 + 35 + 20 = 65 minutes. 95 − 65 = 30 minutes on the bus.

10. E — 4:26 pm

Arriving early doesn't change the start. 6 minutes late: 3:46. 35 minutes later: 4:21. 5 minutes later: 4:26 pm.