Year 6 maths: 24-hour time, timetables and time zones (Medium)

Maths · Measurement
Level: Medium

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. What is 10:10 pm in 24-hour time?

Circle one answer.

○ **A** 1010 ○ **B** 2010 ○ **C** 2210

2. What is 0015 in 12-hour time?

Circle one answer.

○ **A** 12:15 am ○ **B** 12:15 pm

3. A bush walk. It starts at 10:40 am and finishes at 1:15 pm. How long is it?

Circle one answer.

○ **A** 9 hours 25 minutes ○ **B** 3 hours 25 minutes

○ **C** 2 hours 35 minutes

4. A film. It starts at 1350 and finishes at 1615. How many minutes is that?

Answer: ☐ minutes

Working:

5. Ngaio gets to Lakeside at 1:00 pm. How long must she wait for the next bus?

Circle one answer.

Stop	Trip 1	Trip 2	Trip 3
Wattle Bay	10:40 am	12:40 pm	2:40 pm
Banksia Road	10:55 am	12:55 pm	2:55 pm
Town Hall	11:10 am	1:10 pm	3:10 pm
Lakeside	12:45 pm	2:45 pm	4:45 pm
Cape Tern	1:20 pm	3:20 pm	5:20 pm

○ **A** 15 minutes ○ **B** 1 hour 45 minutes

○ **C** 3 hours 45 minutes

6. In winter, Adelaide is half an hour behind Sydney. It is 4:00 am in Sydney. What time is it in Adelaide? Write it like 4:30 pm.

7. How many hours and minutes is 255 minutes?

Circle one answer.

○ **A** 4 hours 25 minutes ○ **B** 4 hours 15 minutes

○ **C** 2 hours 55 minutes

8. How many minutes are there in 4 hours 25 minutes?

Answer: ☐ minutes

Working:

9. Write 1905 as a 12-hour time with am or pm, like 4:30 pm.

10. What is the time 3 hours 40 minutes after 21:35? Write it as four digits.

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Answer key

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1. C — 2210
10:10 pm is after noon, so add 12 to the hour: 10 + 12 = 22. It is 2210.

2. A — 12:15 am
0015 is just after midnight: 12:15 am.

3. C — 2 hours 35 minutes
10:40 am to 1:15 pm: 2 hours 35 minutes. An hour has 60 minutes, and the time crosses 12.

4. 145 minutes
1350 to 1615 is 2 hours 25 minutes, which is 145 minutes.

5. B — 1 hour 45 minutes
The next bus leaves at 2:45 pm. 1:00 pm to 2:45 pm is 1 hour 45 minutes.

6. 3:30 am (also accepted: 3.30 am)
4:00 am - 30 minutes = 3:30 am.

7. B — 4 hours 15 minutes
255 - 240 = 15, so 4 hours and 15 minutes.

8. 265 minutes
4 hours is 4 x 60 = 240 minutes, and 25 more is 265.

9. 7:05 pm (also accepted: 7.05 pm)
1905 is after 12:00, so take away 12: 19 − 12 = 7. It is 7:05 pm.

10. 0115 (also accepted: 01.15, 1:15)
21:35 + 3 h = 00:35. 00:35 + 40 min = 01:15, the next morning.