Year 5 maths: Clocks, digital time and how long things take (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. A cake bakes from the Start clock to the Finish clock. How many minutes pass from the Start clock to the Finish clock?

Answer: ☐ minutes



Start



Finish

Working:

2. A pottery class starts and finishes as shown. How long is it from the Start clock to the Finish clock?

Circle one answer.



Start (am)



Finish (pm)

○ **A** 1 hour 35 minutes
○ **B** 1 hour 25 minutes
○ **C** 2 hours 25 minutes

3. A train leaves at 9:40 am and the trip takes 3 hours 30 minutes. What time does it arrive? Write it like 4:30 pm.

_____

_____

4. A movie ends at 8:15 pm after 1 hour 30 minutes. Jump back 15 minutes at a time. When did it start?



5. A quarter of an hour ago it was 7:20. What time is it now? Write it like 4:30.

6. A ferry leaves at 9:35 and arrives at 10:20. A bus then leaves at 10:30 and arrives at 11:05. How many minutes is the bus trip?

Answer: ☐ minutes

Working:

7. A ferry arrives at 10:20. The bus leaves at 10:30. How many minutes must Bella wait?

Answer: ☐ minutes



Ferry arrives



Bus leaves

Working:

8. Which is the longer time: 85 minutes or 1 hour 20 minutes?

Circle one answer.

○ **A** They are the same

○ **B** 85 minutes

○ **C** 1 hour 20 minutes

9. A flight leaves at 14:50 and lands at 17:15. How many minutes is the flight?

Answer: ☐ minutes

Working:

10. A bus leaves at the Start time and arrives at the Finish time. How many minutes does the trip take?

Answer: ☐ minutes



Start



Finish

Working:

Answer key

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1. 15 minutes

From 5:56 to 6:00 is 4 minutes. From 6:00 to 6:11 is 11 more minutes. 4 + 11 = 15 minutes.

2. B — 1 hour 25 minutes

11:25 am to 12:00 pm is 35 minutes. 12:00 pm to 12:50 pm is 50 more. 35 + 50 = 85 minutes.

3. 1:10 pm (also accepted: 1.10, 1.10 pm)

9:40 am plus 3 hours is 12:40 pm. 30 minutes more is 1:10 pm.

4. 6:45 (also accepted: 6:45 pm, 6.45, 6.45 pm)

6 jumps of 15 minutes take us to 6:45.

5. 7:35 (also accepted: 7.35)

A quarter of an hour is 15 minutes. 7:20 plus 15 minutes is 7:35.

6. 35 minutes

10:30 to 11:00 is 30 minutes, and 11:00 to 11:05 is 5 more: 35 minutes.

7. 10 minutes

10:20 to 10:30 is 10 minutes.

8. B — 85 minutes

1 hour 20 minutes is 60 + 20 = 80 minutes. 85 minutes is 5 minutes longer.

9. 145 minutes

14:50 to 15:00 is 10 minutes. 15:00 to 17:00 is 120 minutes. 17:00 to 17:15 is 15 minutes. 10 + 120 + 15 = 145 minutes.

10. 50 minutes

9:50 to 10:00 is 10 minutes. 10:00 to 10:40 is 40 minutes. 10 + 40 = 50 minutes.