Ticking Clocks and Turning Calendar

Standard difficulty · 20 questions · 40 marks · Time: 54 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. 2:25 PM in 24-hour time is:
(a) 15:25 **(b)** 02:25 **(c)** 13:25 **(d)** 14:25

2. Is 2074 a leap year?
(a) No **(b)** Yes
(c) Only in February **(d)** You cannot tell

3. A class starts at 8:00 AM and lasts 55 minutes. When does it end?
(a) 8:50 AM **(b)** 9:00 AM **(c)** 9:55 AM **(d)** 8:55 AM

4. July 2 is a Saturday. What day is July 9?
(a) Saturday **(b)** Wednesday **(c)** Tuesday **(d)** Sunday

5. A leap year has how many days?
(a) 366 **(b)** 364 **(c)** 365 **(d)** 360

6. How many minutes from 5:40 PM to 5:55 PM?
(a) 10 minutes **(b)** 20 minutes **(c)** 15 minutes **(d)** 25 minutes

7. 2040 is a leap year. Which is the next leap year?
(a) 2042 **(b)** 2041 **(c)** 2044 **(d)** 2050

8. Today is Sunday. What is tomorrow?
(a) Saturday **(b)** Wednesday **(c)** Monday **(d)** Thursday

Section B — Short answer — 8 × 2 = 16 marks

9. Write 6:40 PM in 24-hour time.

10. Write 20:05 hours as AM or PM time.

11. Write the first leap year after 2055.

12. A show starts at 2:50 PM and lasts half an hour. When does it end?

13. Pari was born on 13/09/2016. On what date will she turn 10?

14. Dev spends 2 hours studying, 2 hours eating, 9 hours sleeping, 2 hours playing. How many hours of the day are left?

15. A packet of biscuits was made in April 2025. It is best before 3 months from then. In which month and year does it expire?

16. Today is Friday. What day will it be in 19 days?

Section C — Word problems — 4 × 4 = 16 marks

17. Asha was born on 04/12/2016 and Kabir on 16/03/2016. Who is older? By about how many years and months? (Ignore the days.)

18. A school morning starts at 7:30 AM. Assembly takes 15 minutes, then reading 10 minutes, maths 25 minutes and a break 20 minutes. When does each part end?

19. Write the first three leap years from 2070 onwards. How many days does each have? How many days does February have in those years?

20. A train leaves at 08:50 hours and another at 17:40 hours. Write both times using AM and PM. How many hours and minutes apart are they?

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Answer key

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Q	Answer	Working
1	**(d) 14:25**	add 12 to the hours for PM times
2	**(a) No**	a leap year comes every 4 years: 2074 ÷ 4 leaves 2
3	**(d) 8:55 AM**	8:00 AM + 55 minutes
4	**(a) Saturday**	7 days is exactly 1 week
5	**(a) 366**	—
6	**(c) 15 minutes**	—
7	**(c) 2044**	leap years come every 4 years
8	**(c) Monday**	—
9	**18:40**	—
10	**8:05 PM**	—
11	**2056**	—
12	**3:20 PM**	30 minutes
13	**13/09/2026 (13 September 2026)**	—
14	**9 hours**	24 − 15
15	**July 2025**	count on 3 months
16	**Wednesday**	19 days = 2 weeks and 5 days
17	**Kabir, by 0 years and 9 months**	count the months between December 2016 and March 2016
18	**7:45 AM, 7:55 AM, 8:20 AM, 8:40 AM**	15 + 10 + 25 + 20
19	**2072, 2076, 2080; 366 days; February has 29 days**	every 4th year
20	**8:50 AM and 5:40 PM; 8 hours 50 minutes**	—

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