St. Andrews Scots Sr. Sec. School

I.P.Extension, Patparganj,Delhi- 110092

Session:2026-2027

Subject: Mathematics **Class: IV** **Unit-9 (Time and Calendar)**

Questions to be done:

Ex 9A: - Q1 a, d, e Q2, Q3 in Book

Q4 b, f in Notebook

Ex 9B: - Q1, Q2 in Book

Q3 a, d, Q5, Q7, Q9 in Notebook

Ex 9C: - Q1 in Book

Q2 a, c Q3 a, b Q4 b Q5 a , b , c in Notebook

Ex 9D: - Q1 b, c, d in Notebook

Q2 in Book

Q3 b, c, f Q4, Q5 in Notebook

Ex 9E: - Q1 a , d Q2 b, c Q4, Q5 in Notebook

Ex 9F: Q2 , Q4 in Notebook

Ex 9G: Q1 is omitted

Q2 in Book

Review Time

Worksheet

Activity

Exercise 9A

1. (b) 10 minutes past 4
50 minutes to 5
4:10

(c) 50 minutes past 5
10 minutes to 6
5:50

(d) 45 minutes past 8
15 minutes to 9
8:45

(e) 25 minutes past 12
35 minutes to 1
12:25

(f) 40 minutes past 3
20 minutes to 4
3:40

2. (a) The small hand is the hour hand and the long hand is the minute hand in a clock.

(b) The small hand moves round the clock two times in 24 hours.

(c) There are 60 minutes in 1 hour and 24 hours in 1 day.

(d) There are 60 seconds in one minute.

(e) We say 20 minutes past eight or 8 : 20 or 40 minutes to 9.

3. (a) 6 : 25 a.m. (b) 12 : 15 p.m. (c) 12 : 20 a.m.

(d) 8 : 23 p.m. (e) 1 : 05 a.m. (f) 7 : 40 p.m.

4. (a) 9 : 30 a.m. (b) 8 : 40 p.m. (c) 6 : 55 a.m.

(d) 8 a.m. (e) 12 : 50 a.m. (f) 2 : 00 p.m.

Exercise 9B

1. Clock A: 2 : 40 Clock B: 4 : 37

2. Clock A: 1 : 28 Clock B: 2 : 31

3. (a) 75 minutes (b) 70 minutes (c) 45 minutes (d) 35 minutes

4. Sejal started her work at 6 : 35 p.m.
She finished it at 7 : 15 p.m.
Time from 6 : 35 p.m. to 7 is 25 minutes
Time from 7 p.m. to 7 : 15 p.m. = 15 minutes
Adding 25 minutes and 15 minutes we get 40 minutes.
Hence, Sejal took 40 minutes to complete her work.

5. Taruna started her journey at 10 : 40 a.m.
She reached at 2 : 35 p.m.
Time taken in journey = 2 : 35 p.m. – 10 : 40 a.m. = 3 hours 55 minutes.

6. Time from 6 : 50 a.m. to 7 : 00 a.m. = 10 minutes
Time from 7 : 00 a.m. to 9 : 40 a.m. = 2 : 40 hrs.
Hence, Total time = 2 : 40 + 10 minutes = 2 : 50 hrs

7.
$$\begin{array}{r} 11:40 \text{ a.m.} \\ +\ 2:30 \\ \hline 13:70 \end{array} \rightarrow (13+1):(70-60) = 14:10$$

again 14 : 10 – 12 : 00 = 2 : 10 p.m.

8. (7 : 30 – 5 : 40) p.m. = (6 : 90 – 5 : 40) p.m.

$\Rightarrow$ 6 : 90
− 5 : 40
1 : 50 hrs

9. 12 : 30
− 8 : 15
4 : 15 hrs

Exercise 9C

1. (a) 7 hours = 420 minutes. (b) 8 weeks = 56 days.
(c) 13 minutes = 780 seconds. (d) 6 days = 144 hours.
(e) 85 days = 2 months 25 days. (f) 120 seconds = 2 minutes.

2. (a) 8 hours = 8 × 60 minutes = 480 minutes.
(b) 7 h 23 min. = 7 × 60 + 23 = 420 + 23 = 443 minutes.
(c) 420 seconds = 420 ÷ 60 = 7 minutes.

3. (a) 5 minutes = 5 × 60 seconds = 300 seconds.
(b) 4 min 20 seconds = (4 × 60 + 20) seconds = (240 + 20) sec.
= 260 seconds
(c) 19 min 23 seconds = (19 × 60 + 23) seconds = 1163 seconds.

4. (a) 180 minutes
= (180 ÷ 60) hours = 3 hours (60 minutes = 1 hour)
(b) 560 minutes
= (560 ÷ 60) hours = 9 hours 20 minutes (60 minutes = 1 hour)
(c) 480 minutes
= (480 ÷ 60) hours = 8 hours (60 minutes = 1 hour)

5. (a) 6 weeks = (6 × 7) days = 42 days.
(b) 3 months = (3 × 30) days = 90 days.
(c) 3 weeks 5 days = (3 × 7 + 5) days = 21 + 5 = 26 days.

Exercise 9D

1. (a) 7 : 30 a.m. = 0730 hours. (b) 12 : 40 a.m. = 0040 hours.
(c) 12 : 30 p.m. = 1230 hours. (d) 4 : 27 p.m. = 1627 hours.
(e) 6 : 25 p.m. = 1825 hours. (f) 2 : 30 p.m. = 1430 hours.

2. (a) 4 : 10 p.m. (b) 10 : 00 p.m. (c) 10 : 15 p.m. (d) 9 : 45 a.m.

3. (a) 0432 hours = 4 : 32 a.m. (b) 2220 hours = 10 : 20 p.m.

(c) 0450 hours = 4 : 50 a.m. (d) 1840 hours = 6 : 40 p.m.
(e) 0235 hours = 2 : 35 a.m. (f) 2359 hours = 11 : 59 p.m.

4. Sonia's flight arrives at 1135 hours or 11 : 35 a.m.

5. Rita goes to play at 1830 hours = 6 : 30 p.m.
She comes back at 7 : 50 p.m.
Duration of playing = 7 : 50 p.m. – 6 : 30 p.m. = 1 hour 20 minutes.

Exercise 9E

1. (a) 7 hours 15 minutes and
3 hours 35 minutes.

Hrs.	Min.
7	15
+ 3	35
10	50

Sum = 10 hours 50 minutes.

(b) 10 hours 39 min and
7 hours 40 min.

Hrs.	Min.
10	39
+ 7	40
17	79

79 minutes = 60 + 19 min.
= 1 h 19 min.
Sum = 17 hrs. 79 min.
= 18 hrs. 19 min.

(c) 25 min. 28 sec.
and 14 min. 6 sec.

Min.	Sec.
25	28
+ 14	06
39	34

Sum = 39 min. 34 sec.

(d) 24 min. 38 sec.
and 6 min. 20 sec.

Min.	Sec.
24	38
+ 6	20
30	58

Sum = 30 min. 58 sec.

(e) 9 h. 9 min. and 2 h. 50 min.

Hrs.	Min.
9	09
+ 2	50
11	59

Sum = 11 hours 59 min.

2. (a)

Hrs.	Min.
7	50
– 3	43
4	07

Difference
= 4 hours 7 minutes

(b)

Hrs.	Min.
(13)	(80)
~~14~~	~~20~~
– 9	36
4	44

Difference
= 4 hours 44 minutes.

(c)

Min.	Sec.
(9)	(90)
~~10~~	~~30~~
– 6	40
3	50

Difference = 3 min. 50 sec.

(d)

Min.	Sec.
(24)	(78)
~~25~~	~~18~~
– 17	50
7	28

Difference = 7 min. 28 sec.

3. Annual day programme got over at the time = 7.30 p.m.
Programme duration = – 3 hours
It started at the time = 4.30 p.m.

4.

	Hrs.	Min.
Pratima studied English for	1	15
She studied Maths for	+ 1	25
Total duration of study =	2	40

= 2 hours 40 min.

5. Soha went for shopping at 6 : 30 p.m. = 1830 hours
She came back after 2 h 18 min.
So, she came back at 1830 + 0218 = 2048 hours or at 8:48 p.m.

Exercise 9F

1. Rohan's appointment with doctor was on June 8th. After six months of June *i.e.*, in December, Rohan should make an appointment.

2. Lalit is leaving on February 18th.
Before 14 days he has to purchase his ticket on 18 – 14 = 4th February.

3. Number of months from 24th May to 24th October = 5
Number of weeks from 24th October to 31st October = 1
Number of days from 1st to 4th November = 4

So, from 24th May to 4th November there are 5 months 1 week and 4 days.

4. Mary was nine years old on 1st August.
Sara was nine years old on 24th August.
Mary is older than Sara by 24 – 1 = 23 days.

5. Jessica was born on 6th June 1961.
Her age in 2019 will be 2019 – 1961 = 58 years.

Exercise 9G

1. Do yourself.

2. (a) 2012 ÷ 4 = 503 (Leap year) (b) 2010 ÷ 4 = 502.5 (Not leap year)
(c) 2400 ÷ 4 = 600 (Leap year) (d) 2020 ÷ 4 = 505 (Leap year)

Review Time

I. 1. (b) **2.** (c) **3.** (a) **4.** (c) **5.** (a) **6.** (b)
7. (c) **II. 1.** 6:49 can be written as 11 minutes to 7.
2. 6 hours have 360 minutes. **3.** 1500 hours is same as 3:00 p.m.
4. 360 seconds = 6 minutes.
III. 1. (ii) **2.** (i) **3.** (i) **4.** (iv)