Chapter – 5

Time

Ex 5.1

Question 1.
Write down your school time table of the following:
a. Morning school break time to morning school ending time.
b. Morning school working time.
c. Afternoon school working time.
d. Afternoon Lunch break time.

Answer:
a. Morning school break time to morning school ending time
Morning school ending time = 12 hours 40 minutes
Morning School break time = 11 : 00 hours
Morning school break time to Morning school ending time
= 12 hours 40 minutes – 11:00 Hrs
= 1 hour 40 minutes

Hours	Minutes
12	40
-11	00
1	40

1 hour   40mins

b. Morning school working time
Morning school class time = 12 hours 40 minutes
Morning school first bell = 9 hours 30 minutes
Morning school working time
= 12 hours 40 minutes – 9 hours 30 minutes
= 3 hours 10 minutes

Hours	Minutes
12	40
-9	30
3	10

3 hours   10 mins

c. Afternoon school working time
Evening school closing time = 4 hours 10 minutes
Starting time = 2 : 00 hours
Afternoon school working time
= 4 hours 10 min – 2 : 00 hours
= 2 hours 10 minutes

Hours	Minutes
4	10
-2	00
2	10
2 hours	10 mins

d. Afternoon Lunch break time
Lunch time = 14 hours

Hours	Minutes
13	60
(14)	(00)
-12	40
1	20
1 hour	20 mins

Afternoon Lunch break time = 1 hour 20 minutes

Question 2.
Match the following

12 hours Clock	24 hours clock
9:40 a.m	23:40 hours
3:20 p.m	6:25 hours
6:25 p.m	15:20 hours
11:40 p.m	9:40 hours
6:25 a.m	18:25 hours

Answer:

12 hours Clock	24 hours clock
9:40 a.m	9:40 hours

3:20 p.m	15:20 hours
6:25 p.m	18:25 hours
11:40 p.m	23:40 hours
6:25 a.m	6:25 hours

Question 3.

Addition

a. 4 hours 30 minutes + 2 hours 50 minutes = _____

b. 4 hours 50 minutes + 2 hours 30 minutes = _____

c. 3 hours 45 minutes + 1 hours 35 minutes = _____

d. 1 hours 50 minutes + 3 hours 45 minutes = _____

e. 2 hours 25 minutes + 4 hours 50 minutes = _____

Answer:

a. 4 hours 30 minutes + 2 hours 50 minutes

```
Hrs       Mins
 4         30
 2         50
_____
 6         80
_____
 7         20
_____
7 hours   20 mins
```

4 hours 30 minutes + 2 hours 50 minutes = 7 hours 20 minutes

b. 4 hours 50 minutes + 2 hours 30 minutes

```
Hrs       Mins
 4         50
 2         30
_____
 6         80
_____
 7         20
_____
7 hours   20 mins
```

4 hours 50 minutes + 2 hours 30 minutes = 7 hours 20 minutes

c. 3 hours 45 minutes + 1 hours 35 minutes

Hrs	Mins
3	45
1	35
4	80
5	20

5 hours   20 mins

3 hours 45 minutes + 1 hours 35 minutes = 5 hours 20 minutes

d. 1 hours 50 minutes + 3 hours 45 minutes

Hrs	Mins
1	50
3	45
4	95
5	35

5 hours   35 mins

1 hours 50 minutes + 3 hours 45 minutes = 5 hours 25 minutes

e. 2 hours 25 minutes + 4 hours 50 minutes

Hrs	Mins
2	25
4	50
6	75
7	15

7 hours   15 mins

2 hours 25 minutes + 4 hours 50 minutes = 7 hours 15 minutes

Question 4.
Subtract
a. 5 hours 10 minutes – 2 hours 35 minutes = _____
b. 4 hours 20 minutes – 2 hours 40 minutes = _____
c. 4 hours 25 minutes – 1 hours 20 minutes = _____
d. 6 hours 55 minutes – 2 hours 20 minutes = _____
e. 5 hours 45 minutes – 3 hours 55 minutes = _____

Answer:
a. 5 hours 10 minutes – 2 hours 35 minutes

```
      Hrs       Mins
       4       60+10
       5        (10)
       2        35
       2        35
    2 hours   35 mins
```

5 hours 10 minutes – 2 hours 35 minutes = 2 hours 35 minutes

b. 4 hours 20 minutes – 2 hours 40 minutes

```
      Hrs       Mins
       3       60+20
       4        (20)
       2        40
       1        40
    1 hours   40 mins
```

4 hours 20 minutes – 2 hours 40 minutes = 1 hours 40 minutes

c. 4 hours 25 minutes – 1 hours 20 minutes

```
      Hrs       Mins
       4         25
       1         20
       3         05
    3 hours   05 mins
```

4 hours 25 minutes – 1 hours 20 minutes = 3 hours 05 minutes

d. 6 hours 55 minutes – 2 hours 20 minutes

```
      Hrs       Mins
       6         55
       2         20
       4         35
    4 hours   35 mins
```

6 hours 55 minutes – 2 hours 20 minutes = 4 hours 35 minutes

e. 5 hours 45 minutes – 3 hours 55 minutes

Hrs	Mins
4	60+45
⑤	㊺
3	55
1	50

1 hours 50 mins

5 hours 45 minutes – 3 hours 55 minutes = 1 hour 50 minutes

Question 5.
Answer the following:

a. An office works from 10 a.m working hours? to 6 p.m What is the durati<

Answer:
Office works closing time = 18 : 00 hours
Office works starting time = 10 : 00 hours
Office working hours = 18 : 00 hours – 10 : 00 hours
= 8 : 00 hours

Hours	Minutes
18	00
-10	00
8	00

b. A school works from morning 9 O'clock to evening 4 O' Clock. What is the duration of working hours of the school

Answer:
School closing time = 16 : 00 hours
Starting time = 9 : 00 hours
Working hours = = 16 : 00 hours – 9 : 00 hours
= 7 hours 00 minutes

Hours	Minutes
16	00
-9	00
7	00

c. A circus starts at 12:15 pm and ends by 2:30 pm. what is the duration of circus?

Answer:
Circus ending time = 14 hours 30 minutes
Circus Starting time = 12 hours 15 minutes
Duration = 14 hours 30 minutes – 12 hours 15 minutes
= 2 hours 15 minutes

d. A bank works from morning 9:30 a.m. to 4:30 p.m. working time of the bank? [Subtract afternoon lunch break 1 hour to 2 hours]

Answer:
Bank closing time = 16 hours 30 minutes
Bank starting time = 9 hours 30 minutes
= 16 hours 30 minutes – 9 hours 30 minutes
= 7 : 00 hours
lunch break = 1 : 00 hour
= 7 : 00 hours – 1 : 00 hour
= 6 : 00 hour
working hour = 6 hours

Hours	Minutes
16	30
-9	30
7	00
-1	00
6	00

e. A man comes to his village in Tamil Nadu from Ahmedabad. He travels 2 hours 15 minutes in Aeroplane and 4 hours 40 minutes in Car. What is the total time of travel?

Answer:
Hours taken by Aeroplane = 2 hours 15 minutes
Hours taken by car = 4 hours 40 minutes
Travelling time = 2 hours 15 minutes – 4 hours 40 minutes

= 6 hours 55 minutes

Hours	Minutes
2	15
4	40
6	55

f. A painter paints a house for 3 hours 15 minutes in morning and 2 hours 50 minutes in evening. What is the total time he painted?

Answer:
Morning painting time = 3 hours – 15 minutes
Evening painting time = 2 hours – 50 minutes
total hours = 3 hours – 15 minutes + 2 hours – 50 minutes
= 5 hours – 65 minutes
Bank starting time = 5 hours – 65 minutes
Total Working hours = 2 hours – 50 minutes + 5 hours – 65 minutes
= 6 hours – 05 minutes

Hours	Minutes
3	15
2	50
5	65
6	05

InText Questions

Try This (Text Book Page No 75)

Standard time	Railway time
1. 3.30 am	1. _____ Hours
2. 4.15 p.m.	2. _____ Hours
3. _____	3. 12.50 Hours
4. _____	4. 20.15 Hours
5. 12.25 p.m.	6. _____ Hours
6. 01.55 p.m.	7. _____ Hours

Answer:

Standard time	Railway time
1. 3.30 am	1. 3.30 Hours
2. 4.15 p.m.	2. 16.15 Hours
3. 12.50 p.m.	3. 12.50 Hours
4. 8.15 p.m.	4. 20.15 Hours
5. 12.25 p.m.	6. 12.25 Hours
6. 01.55 p.m.	7. 13.55 Hours

Try This (Text Book Page No 76)

Question 1.
Ravi starts the school at 8:45

Answer:
a.m

Question 2.
Ramya eats lunch at 1:00

Answer:
p.m

Question 3.
Afrin sees the moon at 8:20

Answer:
p.m

Question 4.
Kavi goes to the bed at 9:00

Answer:
p.m

Question 5.
The sun rises at 6:10
Answer:
a.m

Find the time interval between starting of Afternoon class and closing of Evening class.
Evening school ending time = 4 hours 10 minutes
Afternoon school starting time = 2 : 00 hours
(Subtract from am to pm, we add 12 hours and then subtract the a.m time.)

Answer:
Evening school ending time = 4 hours 10 minutes
Afternoon school starting time = 2 : 00 hours
Subtract = 4 hours 10 minutes – 2 : 00 hours
= 2 hours 10 minutes

Hour	Minutes
4	10
-2	00
2	10

2 hours 10 minutes