

Maharashtra Board Solutions Class 5-Maths

(Problem Set 45) - Part 2: Chapter 10-

Measuring Time

BOOK SOLUTIONS
CLASS 5
MATHS (PART 2)

CHAPTER 10
Measuring Time





Maharashtra Board Solutions→

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Maharashtra Board Solutions Class 5-Maths

(Problem Set 45) - Part 2: Chapter 10-

Measuring Time

Class 5: Maths Chapter 10 solutions. Complete Class 5 Maths Chapter 10 Notes.

Maharashtra Board Solutions Class 5-Maths (Problem Set 45) - Part 2: Chapter 10- Measuring Time

Maharashtra Board 5th Maths Chapter 10, Class 5 Maths Chapter 10 solutions

Important Questions and Answers.

Question 1.

Add the following :

(1) 2 hours 30 minutes + 4 hours 55 minutes

Solution:

Hrs.	Min.
------	------

2	30
+ 4	55
7	25

85 minutes = 1 hr 25 min

(2) 3 hours 50 minutes + 4 hours 20 minutes

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Solution:

Hrs. Min.

3 50

+ 4 20

7 70

8 10

70 minutes = 1 hr 10 min.

(3) 3 hours 45 minutes + 1 hour 35 minutes

Solution:

Hrs. Min.

3 45

+ 1 35

4 80

5 20

80 minutes = 1 hr 20 min

(4) 4 hours 15 minutes + 2 hours 50 minutes

Solution:

Min.

4 15

+ 2 50

6 65

7 05

65 minutes = 1 hr 05 min

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Question 2.

Subtract the following :

(1) 3 hours 10 minutes – 2 hours 40 minutes

Hrs. Min.

2 60 + 10

3 10

– 2 40

0 30

(2) 5 hours 20 minutes – 2 hours 35 minutes

Solution:

Hrs. Min.

4 60 + 20

5 20

– 2 35

2 45

(3) 4 hours 25 minutes – 1 hour 55 minutes

Hrs. Min.

3 60 + 25

4 25

– 1 55

2 30

(4) 6 hours 15 minutes – 2 hours 45 minutes

Hrs. Min.

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$$5 \quad 60 + 15$$

$$\begin{array}{r} 6 \quad 15 \\ - 2 \quad 45 \\ \hline \end{array}$$

$$3 \quad 30$$

Question 3.

A government office opens at 7 in the morning and closes at 3 in the afternoon. How long is this office open?

Solution:

Hrs. Min.

1 5 0 0 Closing time

– 7 0 0 Opening time

8 0 0

∴ Office remain open for 8 hours

Question 4.

A movie starts at 45 minutes past 3 in the afternoon and finishes two and a half hours later. At what time does the movie end?

Solution:

Hrs.	Min.	
3	45	Movie starts
+ 2	30	Duration of movie
5	75	
6	15	Ends of movie in the evening

∴ Movie ends at 6:15 in the evening

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Question 5.

Sakharam was ploughing the field from 8 in the morning. At 12:30 in the afternoon, he stopped and started for home. He reached home at 1:30. How long was he ploughing the field? How long did it take him to reach home from the field?

Solution:

Hrs.	Min.	
12	30	Stopped ploughing
– 8	00	Started ploughing
4	30	Hours ploughed

Hrs.	Min.	
13	30	Time in 24 hours clock for 1:30 = 13:30
– 12	30	1 hour is the time taken to reach home
1	00	

∴ He ploughed for 4:30 hrs. He took 1 hour to reach home.

Question 6.

Rambhau started the water pump at ten-thirty at night and put it off the same night at a quarter to twelve. How long was the water pump on?

Solution:

Quarter to 12 is 11:45 pm

Hrs.	Min.	
1 1	4 5	Water pump put off
-1 0	3 0	Pump started
1	1 5	

∴ pump was on for 1 hour 15 minutes

Question 7.

Geeta taught in the classroom for 2 hours and 25 minutes in the morning and 1 hour and 45 minutes in the afternoon. How long was she teaching in all?

Solution:

Hrs.	Min.	
2	25	Teaching in morning
+ 1	45	Teaching in afternoon
3	70	70 min = 1 hr 10 min
4	10	

∴ Total teaching of Geeta was for 4 hrs 10 min.

Question 8.

If a bank is open for business from 10 in the morning to 4:30 in the evening, how long is it open?

Solution:

Here, in 24 hours clock, 4:30 in the evening = 16:30

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Hrs.	Min.	
1 6	3 0	Closes
-1 0	0 0	Opens
6	3 0	

∴ Bank opens for 6 hrs 30 min.

Question 9.

If a shop is open from 9:30 am to 10 pm, how long is it open?

Solution:

Here, 10 pm in 24 hours clock is 22:00

Hrs.	Min.	
2 2	0 0	Shop closes
- 9	3 0	Shop opens
1 2	3 0	

∴ Shop opens for 12 hours 30 minutes

Question 10.

If the Maharashtra Express leaving from Kolhapur at 15:30 arrives at Gondia the next day at 20:15, how long is the journey from Kolhapur to Gondia?

Solution:

15:30 to next 15:30 is 24 hours

Hrs.	Min.	
1 9	60 + 15	
2 0	1 5	School ends
- 1 5	3 0	School begins
4	4 5	Hours

24 hours + 4 hr. 45 min. = 28 hr. 45 min.

∴ journey from Koihapur to Gondiya is 28 hours and 45 minutes.

Additional Important Questions and Answers

Question 1.

Add the following.

(1) 5 hours 25 minutes + 2 hours 35 minutes

Solution:

Hrs. Min.

5 25

+ 2 35

7 60

8 00

60 minutes = 1 hr

(2) 6 hours 55 minutes + 2 hours 15 minutes

Solution:

Hrs. Min.

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$$\begin{array}{r} 6 \quad 55 \\ + 2 \quad 15 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 70 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 10 \\ \hline \end{array}$$

70 minutes = 1 hr. 10 min

Question 2.

Subtract the following.

(1) 7 hours 30 minutes – 4 hours 50 minutes

Solution:

Hrs. Min.

$$\begin{array}{r} 6 \quad 60 + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 30 \\ - 4 \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 40 \\ \hline \end{array}$$

(2) 2 hours 35 minutes – 1 hour 40 minutes

Solution:

Hrs. Min.

$$\begin{array}{r} 1 \quad 60 + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 35 \\ - 1 \quad 40 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \quad 55 \\ \hline \end{array}$$

Question 3.

Solve the following:

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(1) Supriya left for a picnic at 7:15 am. She came back at 6:45 pm. How long was she out for the picnic?

Here 6:45 pm = 18:45 (In 24 hours clock)

Solution:

Hrs. Min.

1 8 4 5

– 7 1 5

1 1 3 0

∴ Total time of picnic is 11:30 hrs.

(2) In Dave's school, the tree planting ceremony started at 10:00 in the morning and got over at 13:45. How long did the ceremony go on?

Solution:

Hrs. Min.

1 3 4 5

– 1 0 1 5

3 4 5

∴ Ceremony of planting tree go on for 3 hrs 45 min

Question 4.

Write the time shown in each clock in the box given below it.

(1)



Answer:

35 minutes past 3

(2)



Answer:

Five minutes to 5

(3)



Answer:

Quarter to 2

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(4)



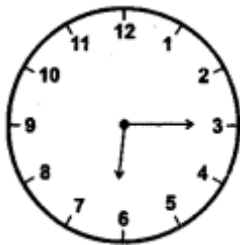
Answer:

Half past eight

Question 5.

Draw the hands of the clock to show the time given in the box.

(1)



Answer:

Quarter past 6

(2)

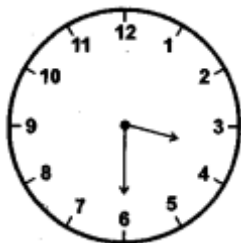


Answer:

50 minutes past 1

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(3)



Answer:

Half past 3

(4)



Answer:

5 minutes to 5

Question 6.

The time below is given by the 12 hour clock. Write the same by the 24 hour clock.

- (1) 45 minutes past 8 in the morning.
- (2) 30 minutes past 2 in the evening.
- (3) 50 minutes past 7 in the evening.
- (4) 15 minutes past 11 in the evening.
- (5) 25 minutes past after midnight.
- (6) 25 minutes past 12 in afternoon.

Answer:

- (1) 8:45

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(2) 114:30

(3) 19:50

(4) 23:15

(5) 00:25

(6) 12:25

Question 7.

Match the following.

'A'

'B'

(1) 7:20 am (a) 13:20

(2) 1:20 pm (b) 22:10

(3) 6:10 pm (c) 7:20

(4) 10:10 pm (d) 6:10

(5) 6:10 am (e) 18:10

Answer:

(1 – c),

(2 – a),

(3 – e),

(4 – b),

(5 – d)

Question 8.

Add the following.

(1) 3 hours 40 minutes + 2 hours 55 minutes

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- (2) 5 hours 25 minutes + 4 hours 35 minutes
- (3) 6 hours 45 minutes + 1 hour 30 minutes
- (4) 7 hours 50 minutes + 2 hours 30 minutes
- (5) 9 hours 10 minutes + 3 hours 20 minutes
- (6) 15 hours 45 minutes + 20 hours 15 minutes

Answer:

- (1) 6 hrs 35 min
- (2) 10 hrs
- (3) 8 hrs 15 min
- (4) 10 hrs 20 min
- (5) 12 hrs 30 min
- (6) 36 hours

Question 9.

Subtract the following.

- (1) 4 hours 20 minutes – 1 hour 30 minutes
- (2) 3 hours 25 minutes – 1 hour 45 minutes
- (3) 5 hours 10 minutes – 2 hours 40 minutes
- (4) 2 hours 15 minutes – 50 minutes
- (5) 9 hours 10 minutes – 6 hours 10 minutes
- (6) 17 hours 30 minutes – 5 hours 25 minutes

Answer:

- (1) 2 hours 50 minutes

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- (2) 1 hour 40 minutes
- (3) 2 hours 30 minutes
- (4) 1 hour 25 minutes
- (5) 3 hours
- (6) 12 hours 05 minutes

Question 10.

Solve the following word problems.

- (1) A play started at 9:50 at night and finished at 11:45 the same night. What was the duration of the play?
- (2) Ramu went out at 10:45 in the morning and came back home at 7 pm. How long he was out of the home?
- (3) Local train started from the Virar station at 8:35 am and reached at Churchgate at 10:30 am. Find the journey time taken by the train.
- (4) Anita started her homework at 5:45 pm and completed the work at 7:30 pm. How much time is taken by Anita for the homework?
- (5) One day test started at 9:15 am and the test ends at 4:10 in the evening. How much time was taken for this test?
- (6) Seema travelled for 2 hours and 20 minutes by train and 1 hour 30 minutes by bus. What the total time of her journey?
- (7) A train that starts from Mumbai at 17:50 reaches Nira at 2:10. How long does the Mumbai – Nira journey take?

Answer:

- (1) 1 hour 55 minutes
- (2) 8 hrs 15 min
- (3) 1 hr 55 min
- (4) 1 hr 45 min

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(5) 6 hrs 55 min

(6) 3 hrs 50 min

(7) 8 hrs 20 min



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Class 5 Maths

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- Chapter 1- Roman Numerals (Problem Set 1)
- Chapter 2- Number Work (Problem Set 2)
- Chapter 2- Number Work (Problem Set 3)
- Chapter 2- Number Work (Problem Set 4)
- Chapter 2- Number Work (Problem Set 5)
- Chapter 2- Number Work (Problem Set 6)
- Chapter 3- Addition and Subtraction (Problem Set 7)
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- Chapter 3- Addition and Subtraction (Problem Set 9)
- Chapter 3- Addition and Subtraction (Problem Set 10)
- Chapter 3- Addition and Subtraction (Problem Set 11)
- Chapter 3- Addition and Subtraction (Problem Set 12)
- Chapter 3- Addition and Subtraction (Problem Set 13)
- Chapter 4- Multiplication and Division (Problem Set 14)
- Chapter 4- Multiplication and Division (Problem Set 15)
- Chapter 4- Multiplication and Division (Problem Set 16)
- Chapter 5- Fractions (Problem Set 17)
- Chapter 5- Fractions (Problem Set 18)
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- Chapter 5- Fractions (Problem Set 22)
- Chapter 5- Fractions (Problem Set 23)
- Chapter 6- Angles (Problem Set 24)
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- Chapter 9- Decimal Fractions (Problem Set 37)
- Chapter 9- Decimal Fractions (Problem Set 38)
- Chapter 9- Decimal Fractions (Problem Set 39)
- Chapter 9- Decimal Fractions (Problem Set 40)
- Chapter 9- Decimal Fractions (Problem Set 41)
- Chapter 9- Decimal Fractions (Problem Set 42)
- Chapter 10- Measuring Time (Problem Set 43)

Part 2.

- Chapter 8- Multiples and Factors (Problem Set 32)
- Chapter 8- Multiples and Factors (Problem Set 33)
- Chapter 10- Measuring Time (Problem Set 44)
- Chapter 10- Measuring Time (Problem Set 45)
- Chapter 11- Problems on Measurement (Problem Set 46)

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- Chapter 11- Problems on Measurement (Problem Set 47)
- Chapter 12- Perimeter and Area (Problem Set 48)
- Chapter 12- Perimeter and Area (Problem Set 49)
- Chapter 12- Perimeter and Area (Problem Set 50)
- Chapter 13- Three Dimensional Objects and Nets (Problem Set 51)
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- Chapter 16- Preparation for Algebra (Problem Set 54)
- Chapter 16- Preparation for Algebra (Problem Set 55)
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The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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