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National Council Of Educational Research  
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# NCERT Solutions for 4th Class Maths Chapter 4-Tick-Tick- Tick



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## NCERT Solutions for 4th Class Maths Chapter 4-Tick-Tick-Tick

Class 4: Maths Chapter 4 solutions. Complete Class 4 Maths Chapter 4 Notes.




### NCERT Solutions for 4th Class Maths Chapter 4-Tick-Tick-Tick

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Practice Time

1. Three friends read time from a clock. Who is right?

	<i>Cheeku</i>	<i>Bittu</i>	<i>Pinki</i>
	12:03	12:15	3:00
	7:25	5:07	5:35
	3:35	7:03	7:15

Ans. In the first clock, short hand or hour hand is pointing to 3 and long hand or minute hand is pointing to 12. Hence, the time is 3:00.

It means Pinki is right.

In the second clock, Pinki is right. The clock is showing the time 5:35.

In the third clock also Pinki is right. The clock is showing the time 7:15.

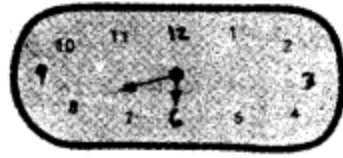
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1. Show the following times in the clock.

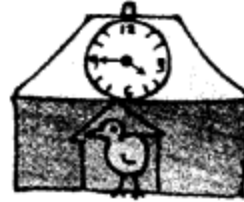
Ans. The time showing figures of watches are being given here.



3 : 10



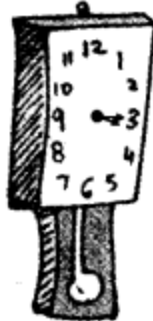
6 : 40



4 : 45



2 : 20



3 : 15



7 : 35

2. Do you like sky watching? If yes, then this one should interest you.

(a) At what time does the sun rise at your place?

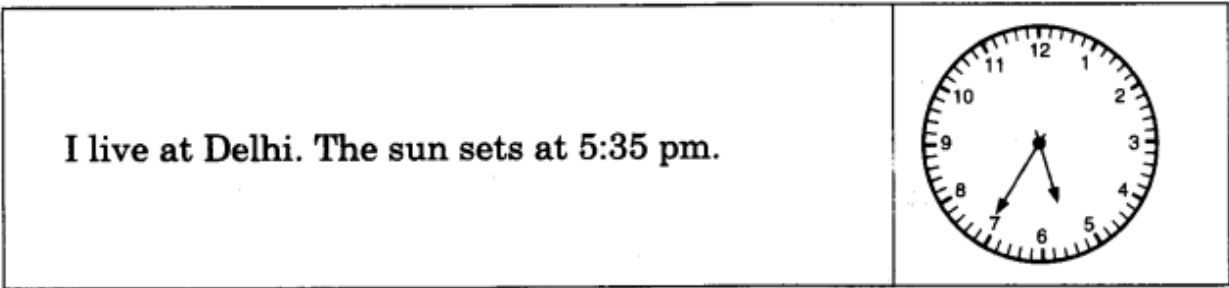
Ans.

<p>I live at Delhi. The sun rises at 7:14 am.</p>	
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(b) When does the sun set?

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Ans.



(c) Does the sun rise and set at the same times every day?

Ans. No.

(d) Look at the newspaper and see the time of sunrise and sunset in different months.

Ans. The sunrise and sunset time is given in the table in New Delhi for the 1st date of different month in a year.

<i>Month</i>	<i>Date</i>	<i>Sun rises at</i>	<i>Sun sets at</i>
January	1 <sup>st</sup>	7:14 AM	5:35 PM
February	1 <sup>st</sup>	7:10 AM	6:00 PM
March	1 <sup>st</sup>	6:46 AM	6:21 PM
April	1 <sup>st</sup>	6:11 AM	6:39 PM
May	1 <sup>st</sup>	5:40 AM	6:57 PM
June	1 <sup>st</sup>	5:24 AM	7:15 PM
July	1 <sup>st</sup>	5:27 AM	7:23 PM
August	1 <sup>st</sup>	5:43 AM	7:12 PM
September	1 <sup>st</sup>	5:59 AM	6:42 PM
October	1 <sup>st</sup>	6:14 AM	6:07 PM
November	1 <sup>st</sup>	6:33 AM	5:36 PM
December	1 <sup>st</sup>	6:57 AM	5:24 PM

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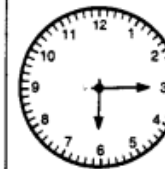




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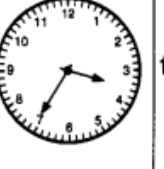
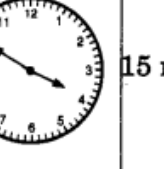
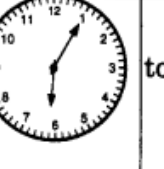
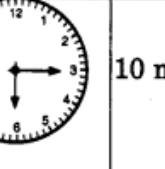
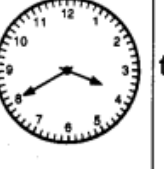
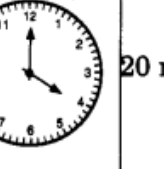
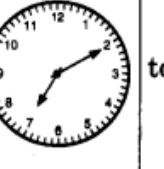
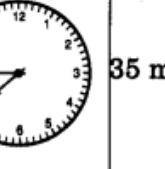
Find Out

1. How long will it take the minute hand to move from

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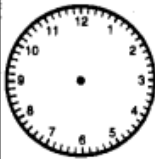
(a)		to		_____	(c)		to		_____
(b)		to		_____	(d)		to		_____

Ans.





(a)		to		15 minutes	(c)		to		10 minutes
(b)		to		20 minutes	(d)		to		35 minutes

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1. Draw where the hands will be

(a) 20 minutes after 6 O'clock		(c) 10 minutes after 7 O'clock	
(b) 30 minutes after 8 O'clock		(d) 15 minutes after 5 O'clock	

**Ans.**

(a) 20 minutes after 6 O'clock		(c) 10 minutes after 7 O'clock	
(b) 30 minutes after 8 O'clock		(d) 15 minutes after 5 O'clock	

2. How long does your school assembly take? \_\_\_\_\_

Ans. My school assembly takes 15 minutes.

3. How long is your lunch break?

Ans. The lunch break in my school is 30 minutes long.

4. How long is your games period?

Ans. The games period is 45 minutes long in my school.

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5. Is it the same as all the other periods?

Ans. Yes, all other periods take same length of time.

6. The games period and lunch break seem very short! Aren't they?

Ans. No, these are of enough length.

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1. How many minutes can these activities take? Make a guess and then check at home.

• Boiling of 1 litre of milk.

Ans. It takes about 5 minutes.

• Filling a bucket.

Ans. It takes about 2 minutes.

• Sweeping your room.

Ans. It takes about 3 minutes.

Activity Time

1. In one'minute, how many times can you\_\_\_\_\_

(a) Snap your finger \_\_\_\_\_

(b) Skip a rope \_\_\_\_\_

(c) Jump up and down \_\_\_\_\_

(d)\_\_\_\_\_ \_\_\_\_\_

Write more such fun activities in this column.

Ans.

(a) Snap your finger **15 times**

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- (b) Skip a rope 30 times
- (c) Jump up and down 40 times
- (d) Blinking of eyelids 100 times

2. Here is another challenge for you. How long can you \_\_\_\_\_

- (a) Speak non-stop \_\_\_\_\_
- (b) Stand on one leg \_\_\_\_\_
- (c) Sing 'Aaaaa..without a break \_\_\_\_\_

Ans.

- (a) Speak non-stop 4 minutes
- (b) Stand on one leg 1 minute
- (c) Sing 'Aaaaa...' without a break 1 minute

3. How long do you take to \_\_\_\_\_

- (a) Run a 50 metre race \_\_\_\_\_
- (b) Collect 50 pebbles from the ground \_\_\_\_\_
- (c) Count 1 to 100 \_\_\_\_\_

Ans.

- (a) Run a 50 metre race 3 minutes
- (b) Collect 50 pebbles from the ground 2 minutes
- (c) Count 1 to 100 1 minute

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1. Let's look at a clock again! Solve this one

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(a) The minute hand started from '2'. How many minutes will it take to come back to '2' again?

Ans. It takes 60 minutes. As it makes one rotation in 60 minutes.

(b) What happens to the hour hand? Does it also move? How long will it take to move from one number to the next?

Ans. Hour hand shows hour in watch. So it takes one hour to move from one number to the next one.

(c) Look around you and list the activities that take about one hour to complete.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_

Ans. List of some common activities which take about one hour to complete.

1. Going to the temple and coming back.
2. Cleaning of house.
3. Completing one small chapter of math.
4. Preparing of breakfast by my mother.
5. Drawing a picture in my drawing book.

2. How long does it take to cook dinner at home? More than an hour/less than an hour.

Ans. It takes a bit more than an hour.

3. Ask your father if he can cook as fast as your mother does. Yes/No.

Ans. No.

4. Which games take less than an hour to finish?

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-4-tick-tick-tick/>

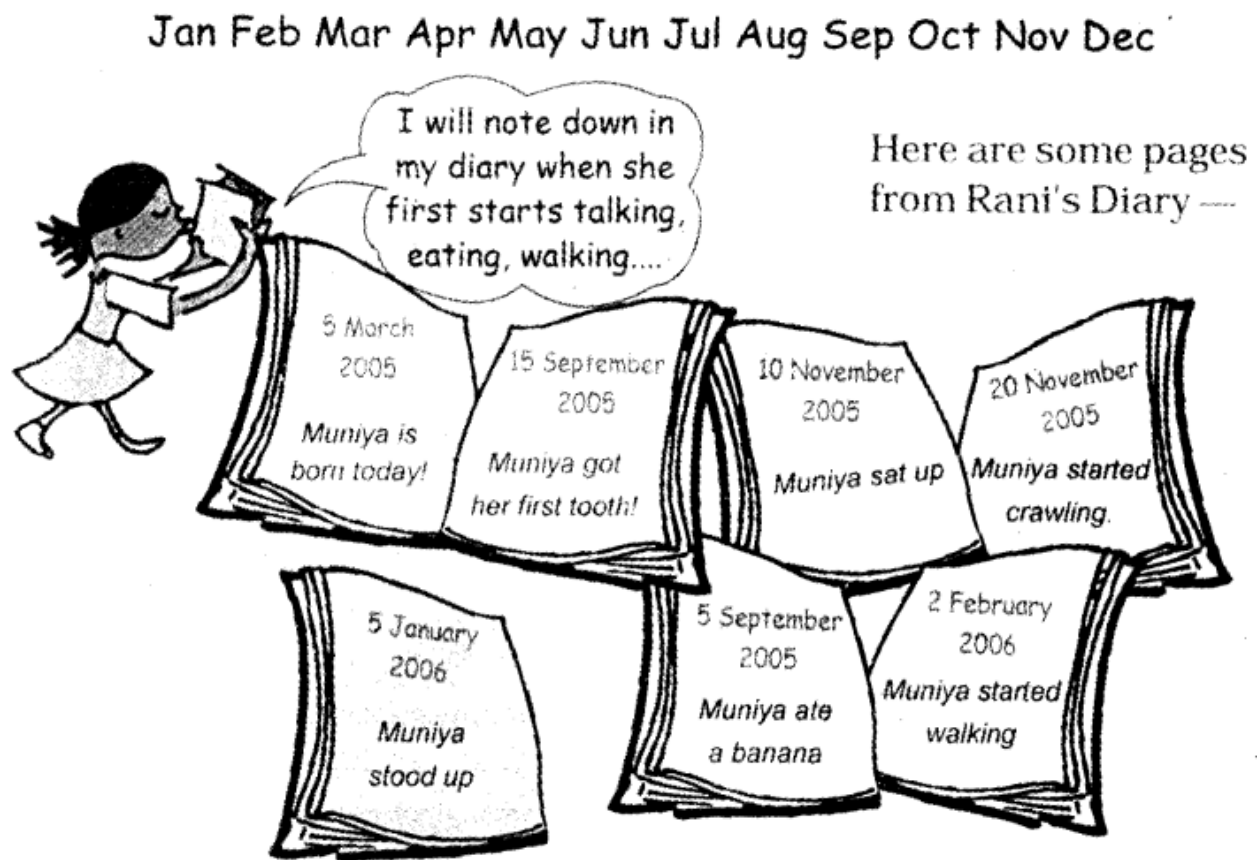
Ans. Some games such as race, high jump, long jump, relay race, swimming, etc. take less than an hour to finish.

5. How long does a football match take?

Ans. The duration of a standard adult football match is 90 minutes plus 15 minutes break.

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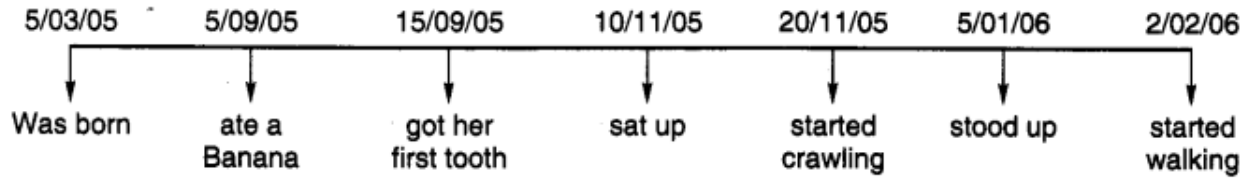
Rani's Diary



1. Mark these in the correct order on Muniya's Time Line.

Ans. The correct order on Muniya's Time Line

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2. Muniya got her first tooth in September. How many months old was she then? How many months have passed from March to September?

Ans. She was about 6 months old when she got her first tooth. Seven months have passed from March to September.

3. How old was Muniya, when

(a) She first sat up? (b) She got her first tooth?

Ans. (a) Muniya was eight months old when she sat up first.

(b) Muniya was about six months old when she got her first tooth.

4. What did she do first

(a) Walking/eating a banana? (b) Crawling/standing?

Ans. (a) First she ate banana. (b) First she started crawling.

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1. Now make a time-line of a dog's life in your notebook.

Ans. Time line of a dog's life is given here:

	<i>After 2 weeks</i>	<i>After 3 weeks</i>	<i>After 4 weeks</i>	<i>In 7 months</i>	<i>After 1 year</i>
Born	It opened its eyes	It got its first teeth and started eating	Started walking around but still wobbling	Got full set of teeth	Full grown up and got its own puppies

2. Note the differences between Muniya and Rani's puppy.

Ans. Differences between Muniya and Rani's puppy

<i>Actions</i>	<i>Muniya (age)</i>	<i>Rani's puppy (age)</i>
Started walking	After 11 months of her birth	After 1 month of its birth
Took food first time	6 months after her birth	After 3 weeks of its birth
Got first tooth	6 months after her birth	After 3 weeks of its birth

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Find Out

1. Do all animals grow at the same speed?

Ans. No, all animals do not grow at the same speed.

2. Find about the growth of:

(a) A hen (b) A cow (c) A bird

Ans. These animals grow in the following order:

A bird, A hen, A cow.

3. Draw pictures of the baby animals and the big animals.

Ans.



4. Here are the pictures of grandfathers posing for a photograph. Who looks the oldest to you?

Ans. Rani's grandfather

• How much older is Appu's grandfather than Rani's grandfather?

Ans. Age of elephant Appu's grandfather = 95 years

Age of Rani's grandfather = 70 years.

So, Appu's grandfather is  $(95-70)$  25 years older than Rani's grandfather.

• Will Chuchoo's grandfather ever grow as old as Appu's grandfather?

Ans. Never.

• How much younger is Chuchoo rat's grandfather than Rani's grandfather?

Ans. Age of Rani's grandfather = 70 years

Age of Rat's grandfather = 2 years Difference =  $70 - 2 = 68$  years

Hence, Chuchoo rat's grandfather is 68 years younger than Rani's grandfather.

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Holidays are Fun

1. Now write which dates these stand for

5/5/06 \_\_\_\_\_ 20/5/06 \_\_\_\_\_

7/6/06 \_\_\_\_\_ 1/1/07 \_\_\_\_\_

Ans.

5/5/06 5      May 2006                      20/5/06      20 May 2006

7/6/06 7      June 2006                      1/1/07      1 January 2007

2. Write these dates in numbers.

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1 June 2006 \_\_\_\_\_

30 May 2006 \_\_\_\_\_

10 August 2007 \_\_\_\_\_

Ans.

1 June 2006                      1/6/06

30 May 2006                      30/5/06

10 August 2007                      10/8/07

3. How long did it take the letter to reach from Ajmer to Nagpur?

Ans. Atif wrote letter on 1/5/06 from Ajmer. Shobhna got this letter on 6/5/06 in Nagpur. Therefore, it took 5 days to reach from Ajmer to Nagpur.

4. How many days will Atif spend at his Nani's place?

Ans. Atif went to his Nani's place on 5/5/06 and returned back on 20/5/06 So, he spent  $(20 - 5) = 15$  days at his Nani's place.

5. Fill in the table

	<i>Dates</i>		<i>Number of days</i>
	<i>From</i>	<i>To</i>	
Shabana's holidays Atif's holidays			

Ans.

	<i>Dates</i>		<i>Number of days</i>
	<i>From</i>	<i>To</i>	
Shabana's holidays	1st June 2006	10th August 2006	70 days
Atif's holidays	1 May 2006	30 June 2006	60 days

6. Who has got longer holidays—Shabana or Atif?

Ans. Shabana's school was closed for 70 days while Atif's school was closed for 60 days.

Therefore, Shabana got longer holidays.

7. Which long holidays do you get in school? Fill the table.

<i>Occassion</i>	<i>Dates</i>		<i>Number of days</i>
	<i>From</i>	<i>To</i>	
Summer holidays Autumn Break Winter Break Holidays after the exam			

<i>Occassion</i>	<i>Dates</i>		<i>Number of days</i>
	<i>From</i>	<i>To</i>	
Summer holidays	1st June	2nd July	32 days
Autumn Break	12th October	19th October	8 days
Winter Break	25th December	5th January	12 days
Holidays after the exam	5th March	1st April	28 days

Calculation of number of days during these holidays Summer holidays

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From 1st June to 30 June = 30 days (30 -1 + 1)

From 1st July to 2nd July = 2 days

Total = 30 + 2 = 32 days

Autumn Break

From 12 October to 19 October

= 8 days (12, 13, 14, 15, 16, 17, 18, 19 = total 8 days)

Winter Break

From 25 December to 31st December

= (25, 26, 27, 28, 29, 30, 31) = 7 days

From 1st January to 5th January

= (1, 2, 3, 4, 5) = 5 days

Total = 7 + 5 = 12 days

Holidays after exam

From 5th March to 31st March = 27 days

From 1st April to 1st April = 1 day

Total = 27+1=28 days

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1. On 15 May 2006 Chandran went to a shop to buy butter. He checked the packet to see if this butter was safe to eat.

It was written on the packet-Best before 180 days from the date of packing. Then he checked the date of packing. It was 15/01/06. Help him find out if he should buy this butter or not.

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• In which month was the butter packed?

Ans. The butter was packed in the month of January. It was on 15th January 2006.

• Which month will it be 180 days after 15/01/06?

Ans. We will calculate the days from 16/01/2006

From 16th January 2006 to 31st January 2006 = 16 days

From 1st February 2006 to 28th February 2006 = 28 days

From 1st March 2006 to 31st March 2006 = 31 days

From 1st April 2006 to 30th April 2006 = 30 days

From 1st May 2006 to 31st May 2006 = 31 days

From 1st June 2006 to 30th June 2006 = 30 days

Total = 166 days

Now,  $180 - 166 = 14$  days left to be completed in 180 days So, 14 days will be completed on 14th August 2006.

Hence, in the month of August on 14th, the 180 days will be completed after manufacturing date.

• Can Chandran eat it on 15th May 2006?

Ans. Yes, because 15th May 2006 falls before 14th August 2006.

2. Do you ever check the date of packing of things you buy?

Ans. Yes, I checked the date of packing of things before bought it.

3. Have you seen medicines which have the expiry date written on them? It tells you after which date it is unsafe to take the medicine.

Ans. Yes, I saw medicines which have the expiry date written on them. It is safe to take those medicines before expiry date.

Find Out

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**4. Which are the other things that come with an expiry date?**

On a cough syrup it was written:

**Mfg. date            07/03**

This shows it was made in July 2003.

**Exp. date            07/05**

This shows the month and year till when it is safe to take.

**Ans. Expiry date is written on all medicines.**

On a cough syrup, it was written Mfg. date-07/03, and Exp. date-07/05, this means this was manufactured in July 2003 and expired on July 2005. So, it is safe to take this medicine before July 2005.

**5. What month and year is written as 07/05?**

**Ans. This stands for July 2005.**

**6. Would it be safe to take the cough syrup in September 2005?**

**Ans. As we saw this is the expiry date written on the cough syrup in the example given above, so it is not safe to take this medicine in September 2005.**

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**1. Can you guess why they missed the train?**

**Ans. Railway uses 24 hours clock time. And their ticket shows 5:30 means the train**

**was in the morning and they reached the station in the 5:15 evening, so they missed the train.**

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**1. Look at this chart. It tells the difference between your watch and a 24 hour clock. Try to complete it.**

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<i>Time by your watch (12-hour clock)</i>	<i>Time by a 24-hour clock</i>
1 O'clock	13:00 hours
2 O'clock	14:00 hours
3 O'clock	
3:30 O'clock	15:30 hours
6 O'clock	
9 O'clock	
12 O'clock	

Ans.

<i>Time by your watch (12-hour clock)</i>	<i>Time by a 24-hour clock</i>
1 O'clock	13:00 hours
2 O'clock	14:00 hours
3 O'clock	15:00 hours
3:30 O'clock	15:30 hours
6 O'clock	18:00 hours
9 O'clock	21:00 hours
12 O'clock	24:00 hours

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1. Now can you tell why a 24-hour clock is called so?

Ans. A 24-hours clock show the time for whole day which is of 24 hours. Hence, it is called so.

2. Suppose a train leaves at 8:30 at night. The time written on the Railway ticket would be \_\_\_\_\_

Ans. The time for 8:30 night would be written on a railway ticket as 20:30.

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3. You must have noted the time of sunrise and sunset. Write here using am and pm.

Time of sunrise	
Time of sunset	

Ans. The time for sunrise and sunset on the 1st March

Time of sunrise	6:46 am
Time of sunset	6:21 pm

4. Where have you seen a 24-hour clock being used?

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Ans.

1. In airport timetable 2. In railways time table 3. In bus time table.



# Chapterwise NCERT Solutions for Class 4 Maths :

- Chapter 1: Building with Bricks
- Chapter 2: Long and Short
- Chapter 3: A Trip to Bhopal
- Chapter 4: Tick-Tick-Tick
- Chapter 5: The Way The World Looks
- Chapter 6: The Junk Seller
- Chapter 7: Jugs and Mugs
- Chapter 8: Carts and Wheels
- Chapter 9: Halves and Quarters
- Chapter 10: Play with Patterns
- Chapter 11: Tables and Shares
- Chapter 12: How Heavy? How Light?
- Chapter 13: Fields and Fences
- Chapter 14: Smart Charts

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