

NCERT Solutions for Class 4 Maths Chapter 4: In Chapter 4 of the NCERT Maths textbook for Class 4, titled Tick-Tick-Tick introduces students to the concept of time. It emphasizes understanding the different units of time measurement, including seconds, minutes, and hours. Through engaging activities and exercises, students learn how to read and interpret clocks, both analog and digital, and solve problems related to time intervals.

The chapter also covers the basics of converting between different units of time, such as converting minutes into hours and vice versa. The NCERT solutions for this chapter provide detailed explanations and step-by-step methods to help students master these concepts providing practice problems that reinforce their understanding and application of time-related calculations.

NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick Overview

NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick are prepared by the subject experts of Physics Wallah provide a detailed approach to understanding time concepts. These solutions are created to help students grasp the intricacies of measuring and interpreting time, including reading both analog and digital clocks and solving problems related to time intervals.

The experts at Physics Wallah ensure that each solution is detailed and easy to follow, providing step-by-step guidance and practical examples that make complex time-related problems more accessible.

NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick PDF

NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick are available in the PDF link provided below.

This PDF contains detailed explanations and step-by-step solutions to all the problems in the chapter ensuring that students can thoroughly understand the concepts and practice at their own pace.

NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick PDF


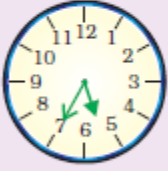
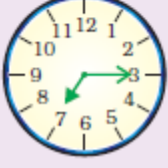
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Here we have provided NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick-

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Question: 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

Answer: In the first clock, the hour hand is positioned at 3, while the minute hand is at 12, indicating that it is exactly 3 o'clock. Thus, Pinki's observation is correct.

In the second clock, the hour hand has moved past 5, and the minute hand points to 7, which signifies 35 minutes past the hour. Therefore, the time is 5:35, and once again, Pinki is accurate.

In the third clock, the hour hand points to 7, and the minute hand is at 3, which corresponds to 15 minutes past 7. Hence, the time is 7:15, confirming that Pinki's reading is correct.

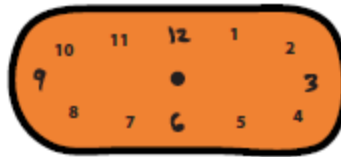
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Question: 2

Show the following times on the clock:



3:10



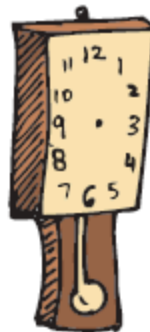
6:40



4:45



2:20



3:15



7:35

Answer:



3:10



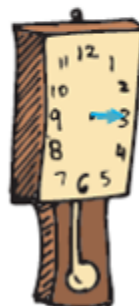
6:40



4:45



2:20



3:15



7:35

Question: 3

Do you like sky-watching? If yes, answering the following will make you happy:

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

(b) When does the sunset?

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

Answer:

(a) The Sun rises at 6:00 a.m. at my place.

(b) The Sun sets at 6:30 p.m. at my place.

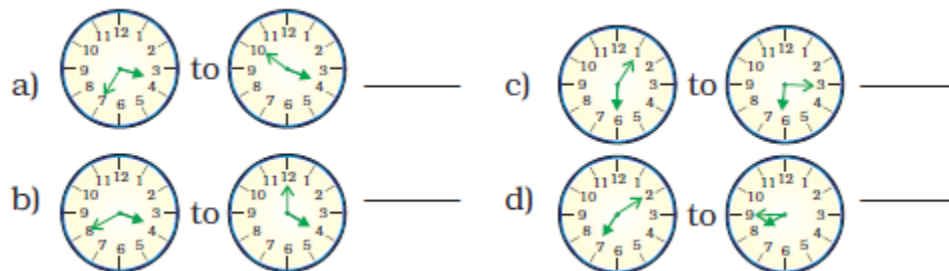
(c) No, the Sun does not rise and set at the same times every day.

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Find out

Question: 4

How long will it take the minute hand to move from



Answer:

- a)  to  = 15 minutes
- b)  to  = 20 minutes
- c)  to  = 10 minutes
- d)  to  = 35 minutes

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Question: 5

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



Answer:

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



Question: 6

How long does your school assembly take?

Answer: School assembly takes 30 minutes.

Question: 7

How long is your lunch break?

Answer: In my school, the lunch break is 1 hour long.

Question: 8

How long is your game period?

Answer: The game period in our school is 45 minutes long.

Question: 9

Is it the same as all the other periods?

Answer: All the periods, including the game period, are of the same length in your school.

Question: 10

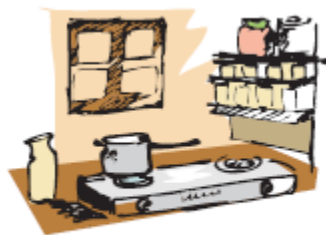
The games period and lunch break seem very short! Aren't they?

Answer: If the time is sufficient for both playing games and having lunch, then it's likely well-suited to your school's schedule and needs. It's all about how effectively you can use that time!

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Question: 11

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



Boiling 1 litre milk



Filling a bucket



Sweeping your room

Answer:

* Boiling of 1 litre of milk takes about 6 minutes.

* Filling a bucket takes about 3 minutes.

* Sweeping the room takes about 6 minutes.

Activity Time

Question: 12

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

Answer:

(a) I can snap my finger 10 times in one minute.

(b) I can skip a rope 35 times in a minute.

(c) I can jump up and down 45 times in one minute.

(d) I can blink my eyelids 50 times in a minute

Question: 13

Here is another challenge for you. How long can you

- (a) Speak nonstop?**
- (b) Stand on one leg?**
- (c) Sing 'Aaa..... without a break?**

Answer:

- (a) I can speak non-stop for 5 minutes.
- (b) I can stand on one leg for 3 minutes.
- (c) I can sing 'Aaaa.... without a break for 2 minutes.

Question: 14

How long do you take to

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

Answer:

- (a) I can run a 50-metre race in 5 minutes.
- (b) I can collect 50 pebbles from the ground in 3 minutes.
- (c) I can count 1 to 100 in 1 minute.

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Question: 15

Let's look at a clock again! Solve the following:

- (a) The minute hand started from '2'. How many minutes will it take to come back to '2' again?**
- (b) What happens to the hour hand? Does it also move? How long will it take to move from one number to the next?**
- (c) Look around you and list the activities that take about one hour to complete.**

1. _____
2. _____
3. _____
4. _____
5. _____

Answer:

(a) The minute hand takes 60 minutes to come back to 2 again.

(b) Yes, the hour hand also moves. The hour hand takes 1 hour to move from one number to the next number.

(c) Following is the list of activities that takes one hour to complete:

1. Cooking food
2. Watching the news
3. Getting ready for a function
4. Completing homework
5. Playing football

Question: 16

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

Answer: So, it generally takes more than an hour to cook dinner at home.

Question: 17

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

Answer: No.

Question: 18

Which games take less than an hour to finish?

Answer: Games like the long jump and high jump are typically quick events, often taking just a few minutes for each attempt. Board games like Snake and Ladder can also be completed in

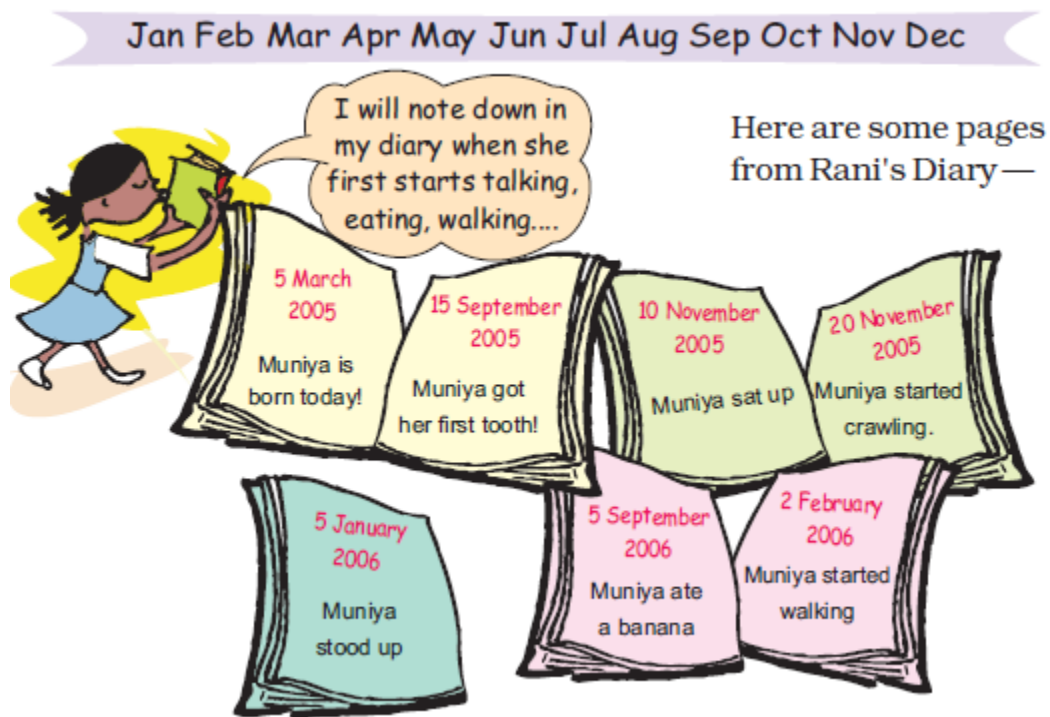
under an hour, depending on the pace of play. Other examples might include quick card games, short sports matches, or mini-games in various sports.

Question: 19

How long does a football match take?

Answer: The duration of a football match is 80 minutes.

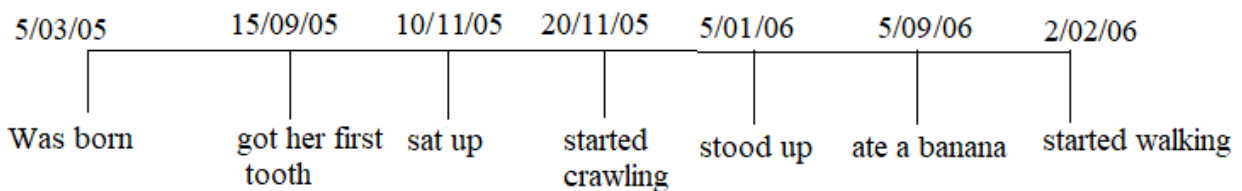
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Question: 20

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

Answer: The correct order on Muniya's Time Line is given below:



Question: 21

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

Answer: Muniya was 6 months and 11 days old when she got her first tooth on September 15, 2005. From March to September is indeed a span of six months.

Question: 22

How old was Muniya, when

(a) she first sat up?

(b) she got her first tooth?

Answer: (a) Muniya was 8 months and 6 days old when she sat up for the first time.

(b) Muniya was 6 months and 11 days old when she got her first tooth.

Question: 23

What did she do first

1. Walking/eating a banana?

2. Crawling/standing?

Answer:

1. She ate a banana first.

2. She started crawling first.

Rani had a pet puppy. After 2 weeks it opened its eyes. She watched it grow like this:



After 3 weeks it got its first teeth and started eating.



After 4 weeks — it started walking around but was still wobbling.



It had a full set of teeth by the time it was 7 months old.

After 1 year, it was a grown-up dog and got its own puppies.

Question: 24

Now make a timeline of this dog's life in your notebook.

Answer: The timeline of the dog's life is given as follows:

	After 2 Weeks	After 3 Weeks	After 4 Weeks	In 7 Months	After 1 Year
Born	It opened its eyes	It got its first teeth and started eating	It started walking around but was still wobbling	It got a full set of teeth	It was become a grown-up dog and got its own puppies

Question: 25

Note the differences between Muniya and Rani's puppy:

<i>Positions</i>	<i>Muniya (age)</i>	<i>Puppy (age)</i>
Started walking		
Ate food for the first time		
Got the first tooth		

Answer: The difference between Muniya and Rani's puppy is as follows:

Actions	Muniya (age)	Rani's Puppy (age)
Started walking	After 11 months of her birth	After 1 month of its birth
Ate food for the first time	6 months after her birth	After 3 weeks of its birth
Got the first tooth	6 months after her birth	After 3 weeks of its birth

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Question: 26

Do all animals grow at the same speed?

Answer: No, the growth of all the animals is not the same.

Question: 27

Discuss about the growth of

1. A hen

2. A cow

3. A bird

Answer: The animals mentioned above grow in the following order:

A hen, bird, and a cow.

Question: 28

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



Elephant Appu's
grandfather
(95 years old)



Chuchoo rat's
grandfather
(2 years old)



Rani's
grandfather
(70 years old)

- (a) How much older is Appu's grandfather than Rani's grandfather?
- (b) Will Chuchoo's grandfather ever grow as old as Appu's grandfather?
- (c) How much younger is Chuchoo rat's grandfather than Rani's grandfather?

Answer:

(a) Elephant Appu's grandfather's age = 95 years old

Rani's grandfather's age = 70 years old

Difference between their ages = $95 - 70$

= 25 years

Hence, Appu's grandfather is older than Rani's grandfather.

(b) No

(c) Chuchoo rat's grandfather's age = 2 years old

Rani's grandfather's age = 70 years old

Difference in their age = $70 - 2$

= 68 years old

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

Holidays are Fun!

Atif's holidays had begun. He was very excited. He had made some wonderful plans and wanted to tell his cousin Shabana. So he wrote her a letter —


Ajmer
1/5/06

Dear Shabana aapa,
Hello!

How are you? I am fine here. Aapa, my holidays have started from today! I am going to my Nani's place on 5/5/06. I will be back on 20/5/06. My school will reopen on 30/6/06. When does your school close? Why don't you come here? We will have great fun!


Bye for now

Atif



Shabana who stays in Nagpur, got this letter on 6/5/06. She wrote back to Atif —

Nagpur
7/5/06



Dear Atif,
Hello!

I am doing well here. I got your letter yesterday. Happy holidays! My school will close on 1st June 2006. It will reopen on 10th August. I will go on a school trip to Goa and will return on 7/6/06. I will try to come to Ajmer after that. Bye

Shabana

Atif wrote his letter on 1/5/06. You remember how we write a date in numbers?

1/5/06 is 1 May 2006.

Question: 29

Now write which dates the following stand for:

5/5/06

20/5/06

7/6/06

1/1/07

Answer:

5/5/06 5 May 2006

20/5/06 20 May 2006

7/6/06 7 June 2006

1/1/07 1 Jan 2007

Question: 30

Write the below-given dates in numbers.

1 June 2006

30 May 2006

10 August 2007

Answer:

1 June 2006 1/6/06

30 May 2006 30/5/06

10 August 2007 10/8/07

Question: 31

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

Answer: From Ajmer, Atif wrote the letter on 1/5/06. Shobhna got the letter on 6/5/06 in Nagpur. So, the letter took 5 days to reach from Ajmer to Nagpur.

Question: 32

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

Answer: On 5/5/06, Atif went to his Nani's place.

On 20/5/06, he returned back from there.

Therefore, he spent 15 days at his Nani's place

Question: 33

Fill in the table:

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

Answer:

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

Question: 34

Who has got longer holidays – Shabana or Atif?

Answer: Shabana got 70 days holidays in her school, while Atif got 60 days holidays in his school. Hence, Shabana got longer holidays than Atif.

Question: 35

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			

Answer: The given holidays start and end on the dates given below

<i>Occasion</i>	<i>Dates</i>	<i>Number of Days</i>
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	From	To	
Summer Holidays	1 st April	1 st June	60 days
Autumn Break	11 October	19 October	9 days
Winter Break	25 December	10 January	17 days
Holidays after the Exam	5 th March	2 nd April	29 days

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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.

Question: 36

(a) In which month was the butter packed?

Answer: The butter was packed on 15th January 2006.

(b) Which date will it be 180 days after 15/01/06?

Answer: Let us calculate 180 days from the date of manufacture.

Days in January = 17 days

In February = 28 days

In March = 31 days

In April = 30 days

In May = 31 days

In June = 30 days

Total days = 17 + 28 + 31 + 30 + 31 + 30 = 167 days

Remaining days = $180 - 167 = 13$ days

Hence, the date will be 13th July 2006.

(c) Can Chandran eat it on 15th May 2006?

Answer: Yes, he can eat it on 15th May 2006.

Find Out

Question: 37

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

Answer: Every product comes with an expiry date. Cold drinks, medicines, biscuits, sweets etc., have an expiry date.

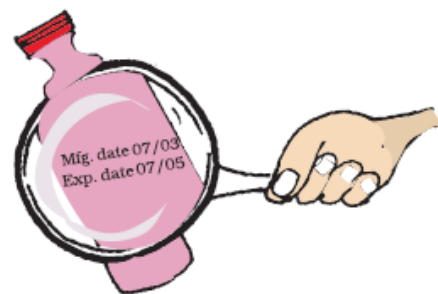
On a cough syrup it was written:

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.



Question: 38

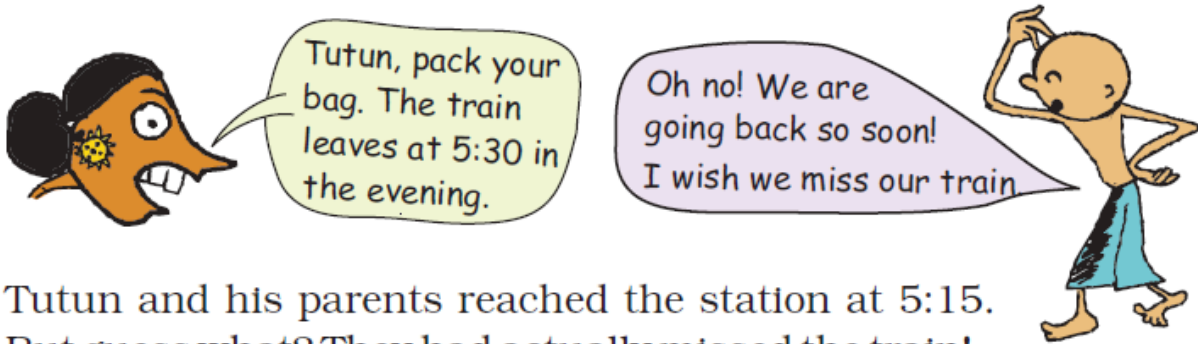
What month and year is written as 07/05? Would it be safe to take the cough syrup in September 2005?

Answer: The month and year is written as 07/05, which shows that it is July 2005. No, it is not safe to take the cough syrup in September 2005 as the expiry date is till July 2005 only.

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Tutun Missed the Train

Tutun's school had closed for the summer holidays. He went to his grandma's place. He met a lot of his cousins there. He was enjoying himself and didn't want to go back home.



Tutun and his parents reached the station at 5:15. But guess what? They had actually missed the train!

Question: 39

Can you guess why they missed the train?

Answer: They missed the train because the railway system uses a 24-hour clock, but they didn't realize that. Their ticket showed the train departure time as 5:30. They thought it was 5:30 PM, but it was actually 5:30 AM. If it had been in the evening, the ticket would have shown 17:30. Since they arrived at 5:15 PM, they were too late.

Question: 40

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

<i>Time by your watch (12-hour clock)</i>	<i>Time by a 24-hour clock</i>
1 o' clock in the afternoon	13:00 hours
2 o' clock in the afternoon	14:00 hours
3 o' clock in the afternoon	_____
3:30 in the afternoon	15:30 hours
6 o' clock in the evening	_____
9 o' clock in the evening	_____
12 o' clock at midnight	_____

Answer:

Time by Your Watch (12-hour clock)	Time by a 24-hour Clock
1 O'clock in the afternoon	13:00 hours
2 O'clock in the afternoon	14:00 hours
3 O'clock in the afternoon	15:00 hours
3:30 in the afternoon	15:30 hours
6 O'clock in the evening	18:00 hours
9 O'clock in the evening	21:00 hours
12 O' clock at midnight	24:00 hours

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Question: 41

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

Answer: We know that there are 24 hours in a day. So, the 24 hours clock shows the time for the entire day. Therefore, it is called a 24-hour clock.

Question: 42

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

Answer: The time written on the Railway ticket would be 20:30.

Question: 43

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

Time of Sunrise	
Time of Sunset	

Answer: The time of sunrise and sunset on the 1st June.

Time of Sunrise 6:00 am

Time of Sunset 6:30 pm

Question: 44

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

1. _____

2. _____

3. _____

Answer: The 24-hour clock is used in

1. Railway station

2. Airport

3. Bus stand

Benefits of NCERT Solutions for Class 4 Maths Chapter 4 Tick-Tick-Tick

- **Clear Explanations:** The solutions provide step-by-step explanations making it easier for students to understand how to approach and solve different types of problems.

- **Comprehensive Coverage:** The solutions cover all the exercises in the chapter, ensuring that students get practice on all types of questions that might appear in their exams.
- **Concept Reinforcement:** By working through these solutions students can reinforce their understanding of time-related concepts, such as reading clocks and understanding time intervals.
- **Error Correction:** Students can compare their answers with the solutions to identify and correct any mistakes, which helps in learning from errors.
- **Confidence Building:** With detailed solutions students gain confidence in their problem-solving abilities as they can see the correct methods and solutions.
- **Homework Help:** These solutions are useful for completing homework assignments and ensuring that students are on the right track.
- **Exam Preparation:** Practicing with these solutions helps students prepare for tests and exams by familiarizing them with the format and types of questions that might be asked.