

NCERT SOLUTIONS



CLASS - 4th



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Class : 4th
 Subject : Math
 Chapter : 4
 Chapter Name : Tick Tick Tick

Q1 Three friends read time from a clock. Who is right?

	Cheeku	Bittu	Pinki
	12:03	12:15	3:00
	7:25	5:07	5:35
	3:35	7:03	7:15

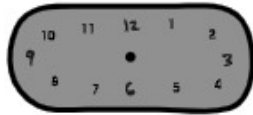
Answer. Pinky is right.

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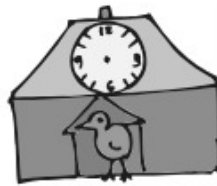
Q2 Show the following times in the clock:



3:10



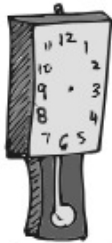
6:40



4:45



2:20



3:15



7:35

Answer. (i)

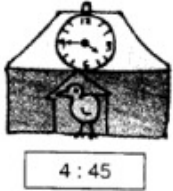


3:10

(ii)



(iii)



(iv)



(v)



(vi)



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Q3 Do you like sky watching? If yes, then this one should interest you:

- (a) At what time does the sun rise at your place? ———
- (b) When does the sun set? ———
- (c) Dose the sun rise and set at the same times every day?

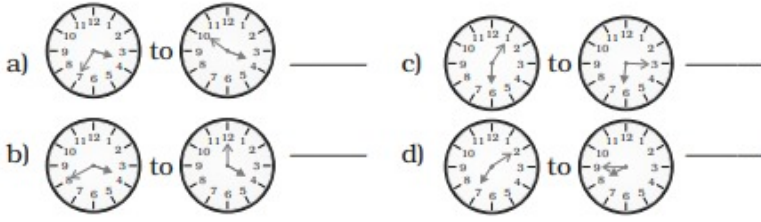
Answer. (a) The sun rises at 5:15 a.m.

(b) The sunsets at 6:15 p.m.

(c) No, The sun does not rises and sets at the same time everyday.

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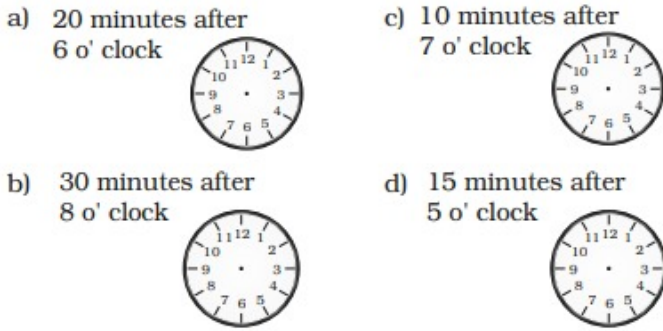
Q1 How long will it take the minute hand to move from



- Answer. (a) Minute hand moves from 7 to 10
 (b) Minute hand moves from 8 to 12.
 (c) minute hand moves from 1 to 3.
 (d) Minute hand moves from 2 to 9.

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Q2 Draw where the hands will be:



Answer. (a)



(b)



(c)



(d)

15 minutes after 5 O'clock



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- Q3 (a) How long does your school assembly take? _____
(b) How long is your lunch break? _____
(c) How long is your games period? _____
(d) Is it the same as all the other periods? _____

Answer. (a) it takes 20 minutes.
(b) Our lunch break is for 30 minutes.
(c) it is about 35 minutes.
(d) No, all are not the same.

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Q4 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. (a) about 4 minutes.
(b) about 3 minutes.
(c) about 10 minutes.

Page : 40 , Block Name : Find Out

- Q1 In one minute, how many times can you —
a) Snap your finger _____
b) Skip a rope _____
c) Jump up and down _____
d) _____

- Answer. (a) 10 times.
(b) 12 times.
(c) 15 times.
(d) 25 times.

Page : 40 , Block Name : Activity Time

Q2 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 _____

- Answer. (a) For 2 minute.
(b) For 4 minute.
(c) For 2 minute.

Page : 40 , Block Name : Activity Time

Q3 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) 4 minutes.
(b) 5 minutes.
(c) 2 minutes.

Page : 40 , Block Name : Activity Time

Q4 Let's look at a clock again! Solve this one —

- 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) 60 minutes.
(b) in 1 hour.
(c) making food, washing clothes, wiping the floor.

Page : 41 , Block Name : Activity Time

Q5 How long does it take to cook dinner at home? More than an hour/less than an hour.

Answer. It takes 2 hours and it is more than 1 hour.

Page : 41 , Block Name : Activity Time

Q6 Which games take less than an hour to finish? _____

Answer. Basketball, Table tennis, badminton.

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Q7 How long does a football match take?

Answer. A football match takes 70 minutes excluding interval.

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Q1 Muniya got her first tooth in September. How many months old was she then? How many months have passed from March to September? _____

Answer. She got her first tooth when she was six months old. 6 months have passed from March to September.

Page : 43 , Block Name : Rani's Diary

Q2 How old was Muniya, when

(a) she first sat up? _____

(b) she got her first tooth? _____

Answer. (a) When she was eight months old.

(b) when she was six months old.

Page : 43 , Block Name : Rani's Diary

Q3 What did she do first —

1) walking/eating a banana?

2) crawling/standing?

Answer. (a) She ate banana first.

(b) Crawling.

Page : 43 , Block Name : Rani's Diary

Q4 Note the differences between Muniya and Rani's puppy:

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

Answer.

	Muniya age	Puppy age
1. Started walking	After 10 month of her birth	After 3 weeks of her birth
2. Ate food for the first time	After 5 month of her birth	After 3 weeks of her birth
3. Got the first tooth	After 6 month of her birth	After 4 weeks of her birth

Page : 44 , Block Name : Rani's Diary

Q1 Do all the animals grow at the same speed?

Answer. No, because all have different life cycle.

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Q2 Discuss about the growth of:

(i) a hen (ii) a cow (iii) a bird

Answer. A bird, a hen, a cow

Page : 45 , Block Name : Find Out

Q3 Here are the pictures of grandfather posing for a photograph. Who looks the eldest?
To you?

Answer. Grandmother looks elder.

Page : 45 , Block Name : Find Out

Q4 How much older is Appu's grandmother than Rani's grandfather?

Answer. Appu's grandfather's age = 95 years

Rani's grandfather's age = 70 years

The age difference between Appu's grandfather and Rani's grandfather's age = $95 - 70 = 25$ years.

Page : 45 , Block Name : Find Out

Q5 Will Chuchoo's grandfather ever grow as old as Appu's grandfather?

Answer. Never.

Page : 45 , Block Name : Find Out

Q6 How much younger is Chuchoo rat's grandfather than Rani's grandfather?

Answer. Chuchoo rat's grandfather is younger than Rani's grandfather = $70 - 2 = 68$ years.

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Q1 Atif wrote his letter on 1/05/06. Do you know how to read the date?

Answer. 1 is the day of the month, 5 is the month (May) of the year, and 6 is the year 2006

Page : 46 , Block Name : Holidays Are Fun!

Q2 Now write which dates these stands for:

(a) 5/5/06

(b) 20/5/06

Answer. (a) 5th May, 2006

(b) 20th May, 2006

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Q3 Write these dates in numbers.

(a) 1 June 2006

(b) 30 May 2006

(c) 10 August 2007

Answer. (a) 1/06/1006

(b) 30/05/2006

(c) 10/08/2007

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Q4 How long did it take the letter to reach from Ajmer to Nagpur?

Answer. A letter took 6 days to reach from Ajmer to Nagpur.

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Q5 How many days will Atif spend at his Nani's place?

Answer. Nitin will spend 20 days at his Nani's place.

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Q6 Which other long holidays do you get in your school? Fill the table.

Answer.

	Dates	No. of days
Summer Holiday	10 May to 4 June	25
Summer Holiday	13 May to 20 June	38
Winter Holiday	20 October to 3 November	12
Autumn	15 April to 30 April	15

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Q7 On 15 May 2006 Chandra 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

(a) In which month was the butter packed?

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

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

(d) Do you ever check the date of packing of the things you buy? Have you seen Medicines which have expiry date written on them? It tells you after which date it is Unsafe to take the medicine.

Answer. (a) In the month of January.

(b) Counting of 180 days after 15/01/06 i.e. from 16/01/06. Therefore, 14 th July 2006,

that is 14/7/06 will be 180 days after 15/01/06.

(c) Yes, Chandra can eat it on 15th May 2006.

(d) Yes, I see always the expiry date on medicines before buy.

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Q1 (a) 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 where it is safe to take).

What month and year is written as 07/05?

(b) Would it be safe to take the cough syrup in September 2005?

Answer. (a) 07/05 indicates the month of May.

(b) actually, its expiry date mentioned in the month of May, so, it is not safe to take cough syrup in September 2005.

Page : 48 , Block Name : Find Out

Q1 Look at the chart. It tells the difference between your watch and a 24-hours clock . Try to complete it.

Answer.

Solution.

Time by your watch(12 hr. clock)	Time by 24 hr. 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

Page : 50 , Block Name : Tutun Missed The Train

Q2 Now can you tell why a 24-hour clock is called so?

Answer. Because it shows the time according to whole day .i.e. 24 hours.

Page : 51 , Block Name : Tutun Missed The Train

Q3 Suppose a train leaves at 8:30 at night. The time written on the railway ticket would Be 20:30 hours. You must have noted the time of sunrise and sunset. Write here using Am and pm.

Answer. the time of sunrise 5:15 a.m

The time of sunset 6:30 p.m

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Q4 Where have you seen a 24-hour clock being used?

1. _____
2. _____
3. _____

Answer. I have seen at railway station to show the railway timetable.
I have seen at bus terminal to show time table.

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