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Question: 1

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

	<i>Cheeku</i>	<i>Btttu</i>	<i>Ptnkt</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 at 3 and the minute hand is at 12. This means it is 3 O'clock. Here Pinki is right

In the second clock, the hour hand has passed 5 and the minute hand is at 7. So, the time is 5: 35. Pinki is right.

In the third clock, the hour hand is at 7 and the minute hand is at 3. Hence, the time is 7: 15. Once again Pinki is right.

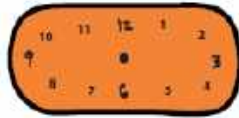
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Question: 2

Show the following times in the clock:



3:10



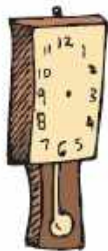
6:40



4:45



2:20



3:15

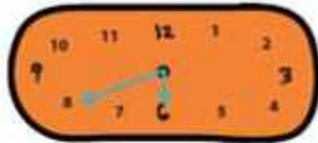


7:35

Answer:



3:10



6:40



4:45



2:20



3:15



7:35

Question: 2

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

- At what time does the sun rise at your place?
- When does the sun set?
- Does the sun rise and set at the same times every day?

Answer:

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

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

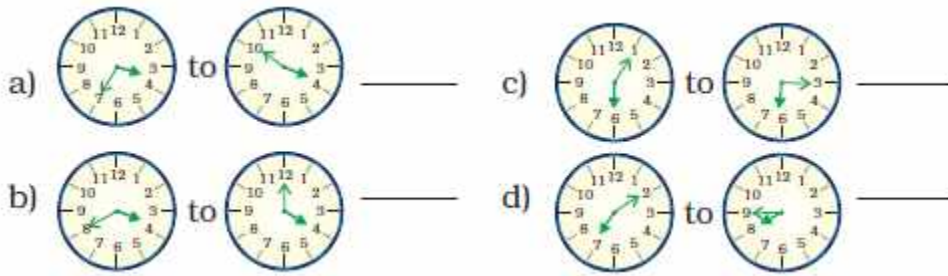
(c) No, the Sun does not rise and set at the same times every day.

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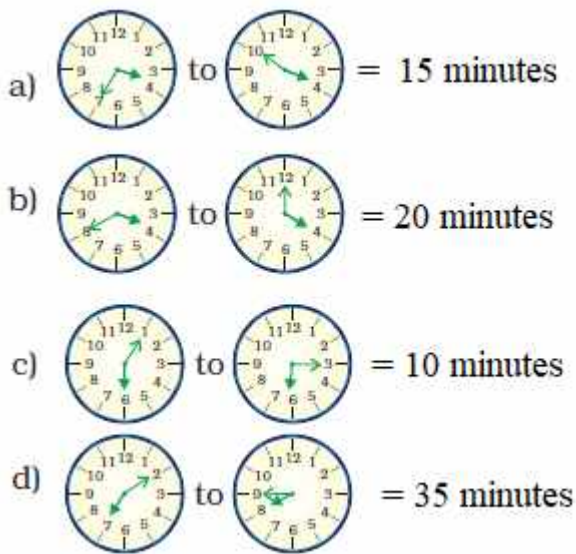
Find out

Question: 3

How long will it take the minute hand to move from



Answer:



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Question: 4

Draw where the hands will be:

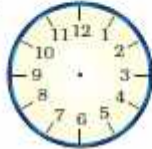
a) 20 minutes after
6 o' clock



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: 5

How long does your school assembly take?

Answer: Our school assembly takes 30 minutes

Question: 6

How long is your lunch break?

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

Question: 7

How long is your games period?

Answer: The games period in our school is 40 minutes long

Question: 8

Is it the same as all the other periods?

Answer: Yes, all the other periods are same.

Question: 9

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

Answer: No, the time period is enough to play and have lunch.

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Question: 10

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 milk takes about 6 minutes
- * Filling a bucket takes about 3 minutes
- * Sweeping the room takes about 6 minutes

Activity Time

Question: 11

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) Snap your finger | 10 times |
| (b) Skip a rope | 35 times |
| (c) Jump up and down | 45 times |
| (d) Blinking of eyelids | 50 times |

Question: 12

Here is another challenge for you. How long can you _____

- (a) Speak non stop _____
- (b) Stand on one leg _____
- (c) Sing 'Aaa..... without a break _____

Answer:

- (a) Speak non stop 5 minutes
- (b) Stand on one leg 3 minutes
- (c) Sing ‘Aaaa.... without a break 2 minutes

Question: 13

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) Run a 50 metre race 5 minutes
- (b) Collect 50 pebbles from the ground 3 minutes
- (c) Count 1 to 100 1 minute

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Question: 14

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) 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 are the list of activities that takes one hour to complete
 1. Cooking food
 2. Watching news
 3. Getting ready for function
 4. Completing homework
 5. Playing football

Question: 15

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

Answer: Cooking dinner takes more than an hour at home.

Question: 16

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

Answer: No.

Question: 17

Which games take less than an hour to finish?

Answer: Games take less than an hour to finish are long jump, high jump, snake and ladder etc.

Question: 18

How long does a football match take?

Answer: Time duration of a football match is 90 minutes.

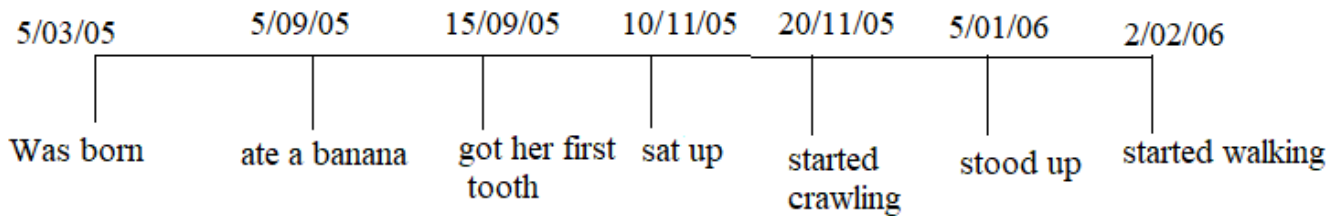
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Question: 19

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

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

**Question: 20**

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 born on 5/03/05 and on 15/09/05 she got her first tooth. So, there are 10 more days for 15/09/05. Therefore, Muniya was 6 months 11 days old when she got her first tooth. From March to September, six months have passed.

Question: 21

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 first time.

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

Question: 22

What did she do first –

1. Walking / eating a banana?

2. Crawling / standing?

Answer: 1. She ate banana first

2. She started crawling first

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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: 23

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

Answer: Time line of a 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 full set of teeth	It was grown up dog and got its own puppies

Question: 24

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: 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: 25

Do all animals grow at the same speed?

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

Question: 26

Discuss about the growth of –

1. A hen
2. A cow
3. A bird

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

A bird, a hen and a cow

Question: 27

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's Appu's grandfather age = 95 years old

Rani's grandfather 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 age = 2 years old

Rani's grandfather 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

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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: 28

Now write which dates these stand for-

5/5/06

5 May 2006

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: 29

Write these 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: 30

How long did it take 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: 31

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: 32

Fill in the table:

	Dates		Number of days
	From	To	
Shabana's holidays			
Atif's holidays			

Answer:

	Dates		Number of days
	From	To	

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: 33

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: 34

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

Occasion	Dates		Number of days
	From	To	
Summer holidays			
Autumn Break			
Winter Break			
Holidays after the exam			

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

Occasion	Dates		Number of days
	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: 35

(a) In which month was the butter packed?

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

(b) Which month 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: 36

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

Answer: Every products 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: 37

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

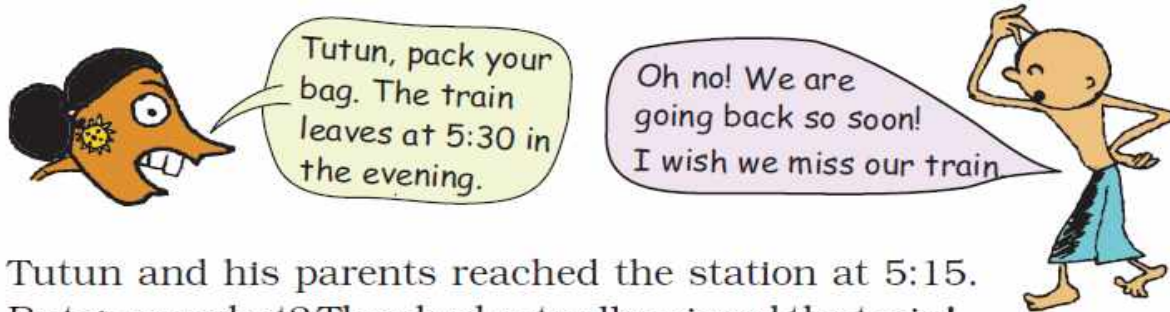
Answer: The month and year is written as 07/05 which shows that it is July 2005. No it

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: 38

Can you guess why they missed the train?

Answer: Railway uses 24 hours clock time. The ticket shows the time as 5: 30 means the train was in the morning and they reached at 5: 15 in the evening. If it was in the evening they would have written as 17: 30. Hence, they missed the train.

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Question: 39

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: 40

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 show the time for the entire day. Therefore it is called as 24 hour clock.

Question: 41

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: 42

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: 43

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

1. _____
2. _____
3. _____

Answer: 24-hour clock is used in

1. Railway station
2. Airport
3. Bus stand

