CHAPTER -4

Tick-Tick-Tick

2MARK QUESTIONS

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

	Cheeku	Bittu	Pinki
Clock 1	12:03	12:15	3:00
Clock 2	7:25	5:07	5:35
Clock 3	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
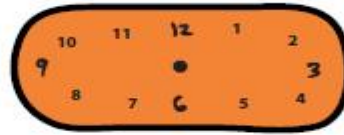
In the second clock, the hour hand has passed 5, and the minute hand is at 7. So, the time is 5:35. So, Pinki is right.

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.
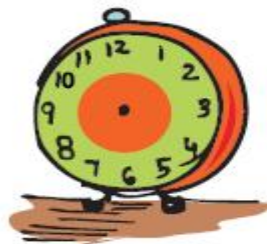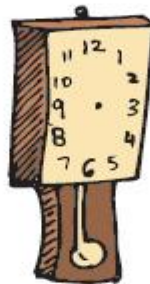
Q2.Show the following times on the clock:

3:10

6:40

4:45

2:20

3:15

7:35

Answer:

3:10
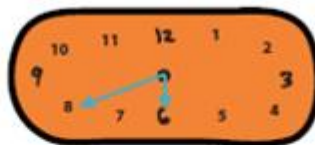
6:40

4:45

2:20

3:15

7:35

Q3.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.

Q4.How long will it take the minute hand to move from

Answer:

a) = 15 minutes

b) = 20 minutes
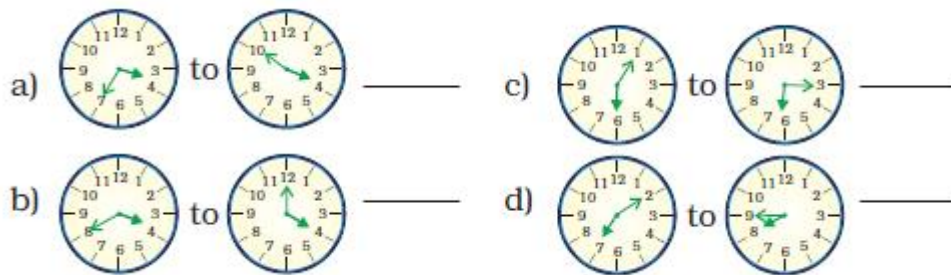
c) = 10 minutes
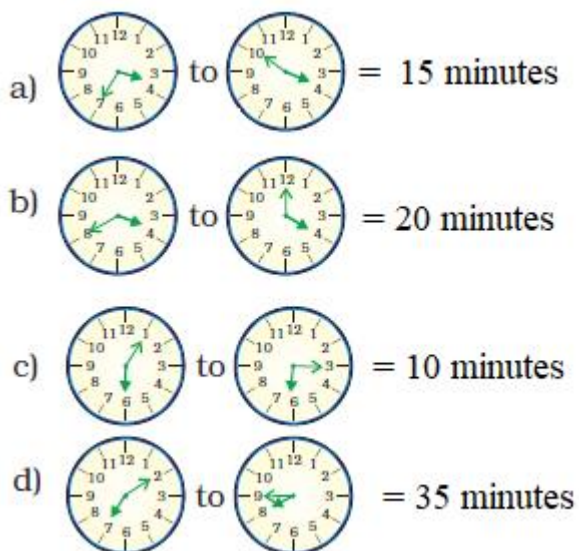
d) = 35 minutes

Q5.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

Q6.How long does your school assembly take?

Answer:

 Our school assembly takes 30 minutes.

Q 7.How long is your lunch break?

Answer:

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

Q8.How long is your game period?

Answer:

The game period in our school is 40 minutes long.

Q 9.Is it the same as all the other periods?

Answer:

Yes, all the other periods are the same.

Q10.The games period and lunch break seem very short! Aren't they?

Answer:

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

Q11.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.

5MARK QUESTIONS

Q1.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

Q2.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.

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) 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.

Q4.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

Q5.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.

Q6.Ask your father if he can cook as fast as your mother does. Yes / No

Answer: No.

Q7.Which games take less than an hour to finish?

Answer:

Games that take less than an hour to finish are the long jump, high jump, snake and ladder etc.
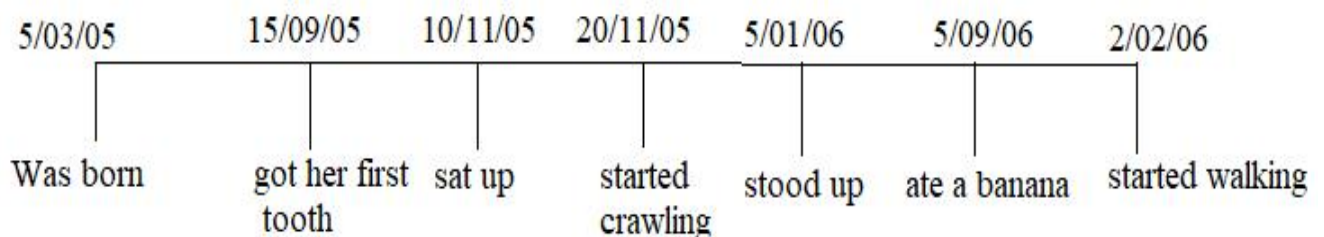
Q8.How long does a football match take?

Answer:

The duration of a football match is 90 minutes.

Q9.Mark the above in the correct order on Muniya's Time Line.

Answer:

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

Q10.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. Therefore, Muniya was 6 months and 11 days old when she got her first tooth. From March to September, six months have passed.

Q11.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.

Q12.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.

Q13.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

Q14.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

Q15.Do all animals grow at the same speed?

Answer:

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

Q16.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 bird, a hen and a cow

Q17.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

Multiple-Choice Questions (MCQs):

Q1..How many minutes are there in an hour?

A) 30

B) 40

C) 50

D) 60

Answer: **D) 60**

Q2.What is the short hand of the clock called?

A) Minute hand

B) Second hand

C) Hour hand

D) Clock hand

Answer: C) Hour hand

Q3.If the minute hand is pointing at 3 and the hour hand is pointing at 12, what time is it?

A) 3 o'clock

B) 6 o'clock

C) 9 o'clock

D) 12 o'clock

Answer: A) 3 o'clock

Q4.How many seconds are there in a minute?

A) 30

B) 40

C) 50

D) 60

Answer: D) 60

Q5.When the minute hand is on 12 and the hour hand is on 6, what time is it?

A) 3 o'clock

B) 6 o'clock

C) 9 o'clock

D) 12 o'clock

Answer: B) 6 o'clock

Fill in the Blanks:

Q1.There are _____ hours in a day.

Answer: 24

Q2.The small lines on the clock that represent minutes are called _____.

Answer: minute markers

Q3.The time between 12:00 PM and 1:00 PM is known as _____.

Answer: noon

Q4.The time between 6:00 PM and 7:00 PM is known as _____.

Answer: evening

Q5.The time between 12:00 AM and 1:00 AM is known as _____.

Answer: midnight