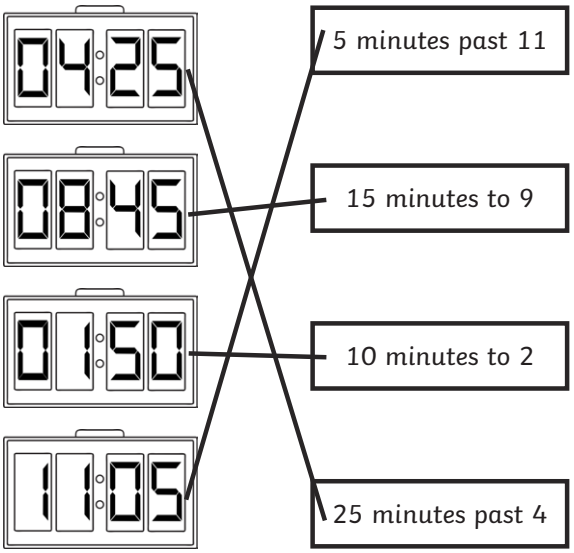
1)



2)

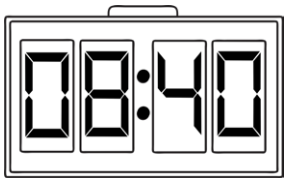
a) 1:10

b) 4:40

c) 12:20

d) 7:35

3)



1) Priya's statement is never true.

When you are calculating how many minutes there are until the next whole hour, you need to subtract the number of minutes shown on the digital clock from 60, as there are 60 minutes in one whole hour, not 100 minutes.

2) Hari has said the time correctly. After the half past mark in an hour, you no longer state how many minutes have passed since the last whole hour but instead you state how many minutes there are until the next whole hour.

In this example, there are 5 minutes until the next whole hour (6) so the time is stated as 5 minutes to 6.

3) Felix has used a decimal place instead of a colon when writing the time in the digital form. This is incorrect as time is not a decimal number. It should be written as 11:35.

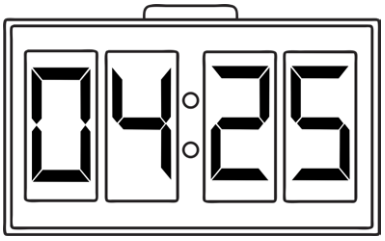
1) 9:12

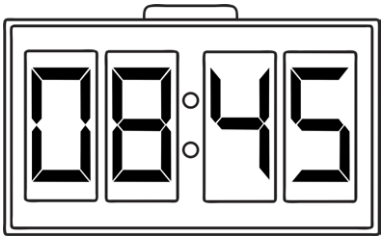
2) 9:55, 10:00, 10:05, 10:10, 10:15, 10:20, 10:25, 10:30, 10:35, 10:40, 10:45, 10:50, 10:55, 11:00, 11:05, 11:10, 11:15

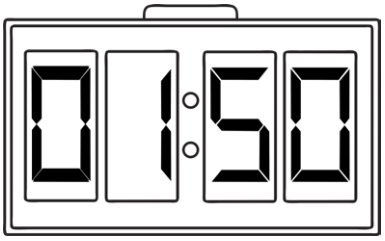
3) 12:05, 12:15, 12:25, 12:35, 12:45, 12:55

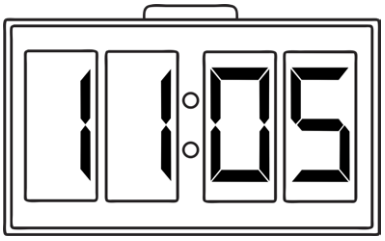
Read Time on a Digital Clock

1) Match the digital clocks with the written times.









15 minutes to 9

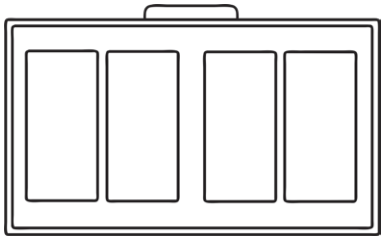
25 minutes past 4

5 minutes past 11

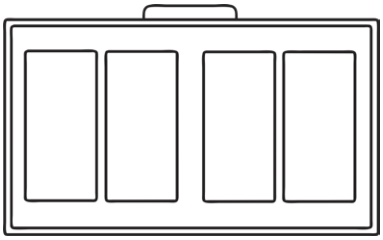
10 minutes to 2

2) Write the times on the digital clocks.

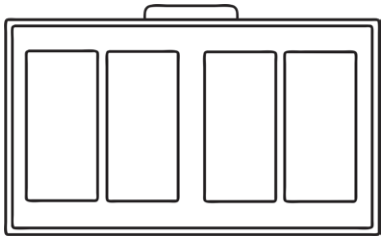
a) 10 minutes past 1



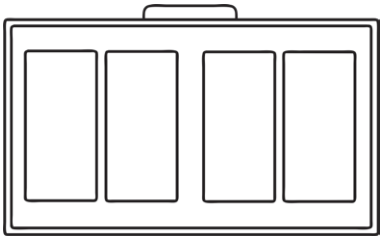
b) 20 minutes to 5



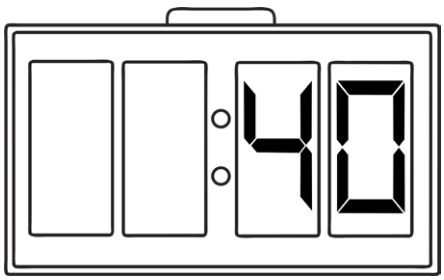
c) 20 minutes past 12



d) 25 minutes to 8

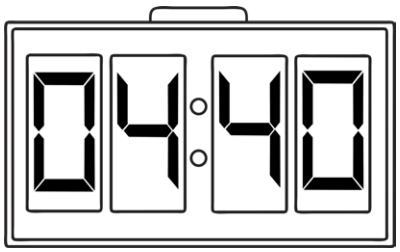


3) Complete the two clocks to make them show the exact same time.



Read Time on a Digital Clock

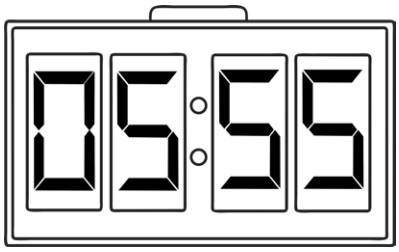
1) Priya looks at this digital clock.



To work out how many minutes there are until the next whole hour, subtract the minutes from 100.

Is Priya's statement always true, sometimes true or never true?
Explain how you know.

2) Drew and Hari are trying to read the time from this digital clock.



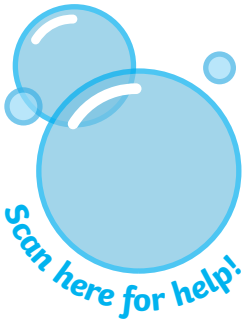
The time is 55 minutes past 5.

The time is 5 minutes to 6.

Who has said the time correctly? Explain how you know.

3) What error has Felix made when writing the time?

11.35



Read Time on a Digital Clock

1) Hari spends some time downstairs. What time does the clock show when he goes back upstairs?

When he goes downstairs, the digital clock on the stairs shows 8 hours. The minutes shown are five times the number of hours.

Hari

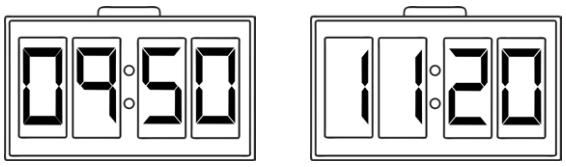
Downstairs, he makes a snack for 4 minutes.

He takes 6 minutes to eat the snack.

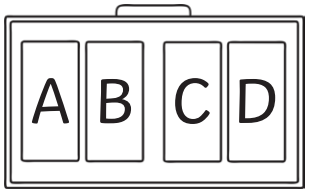
Afterwards, he plays on a game for 10 minutes.

Finally, he washes up for 12 minutes and then heads straight upstairs.

2) Write all the times between the times on these two digital clocks where the minutes are a multiple of five.



3) Use the clues about the digits on the clock to work out what the time could be. Find all possibilities.



B = 10 ÷ 5

A = $\frac{1}{2}$ of B

D = A + B + B

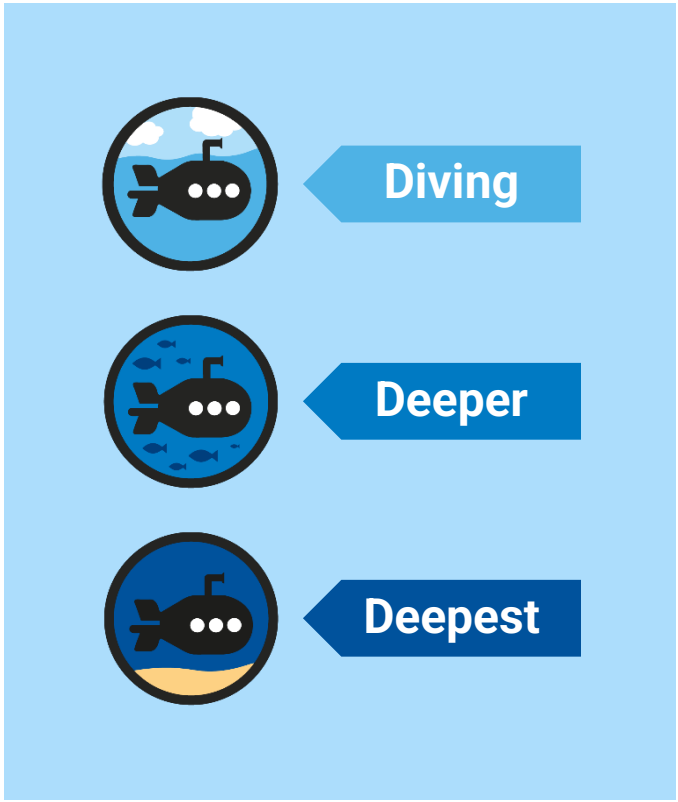
Scan here for help!

Diving into Mastery

Read Time on a Digital Clock

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

National Curriculum Aim

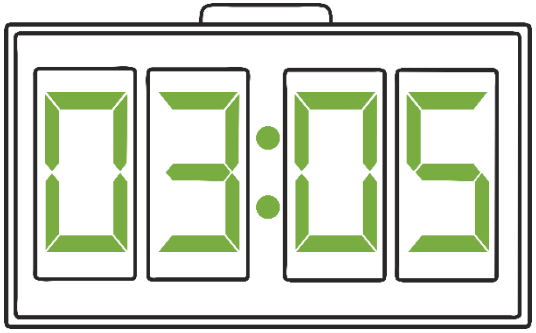
- Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

Read Time on a Digital Clock

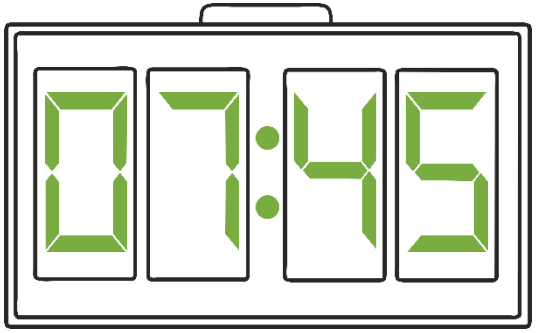
Diving

Write the time shown on the digital clocks.

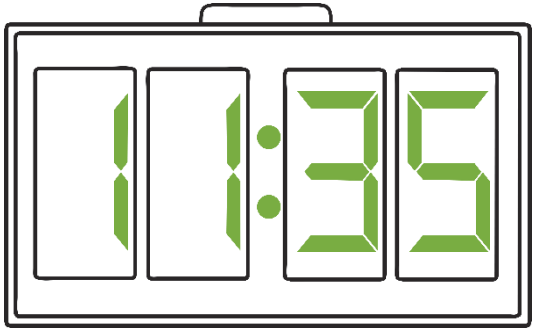
5 minutes past 3



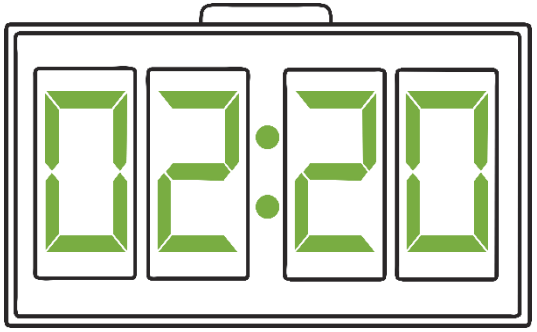
15 minutes to 8



25 minutes to 12

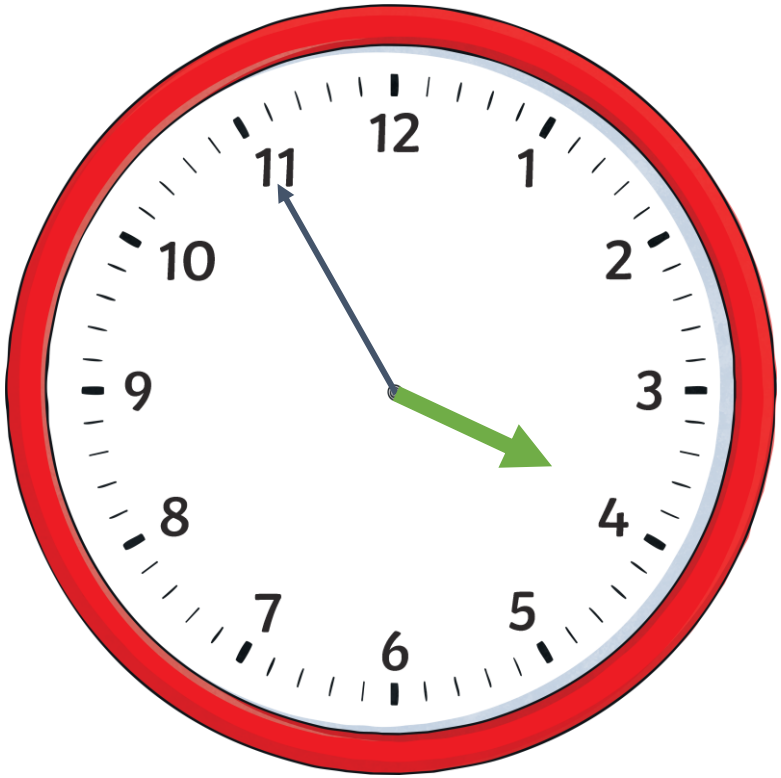


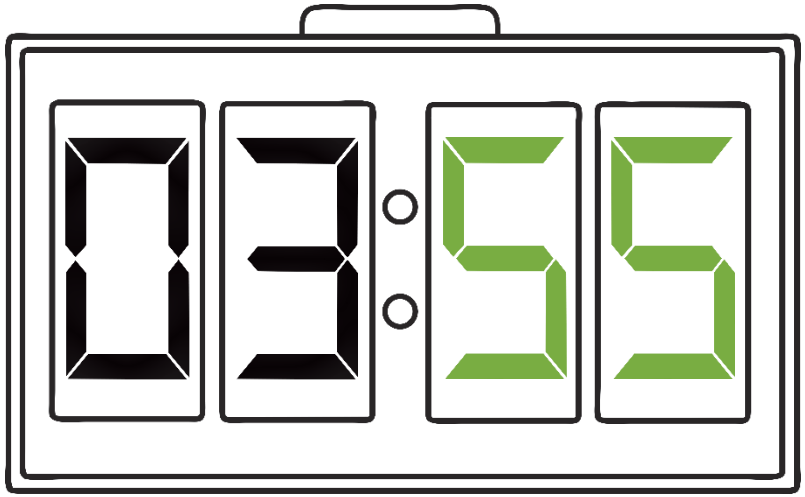
20 minutes past 2



Read Time on a Digital Clock | **Diving**

Complete the two clocks to make them show the exact same time.

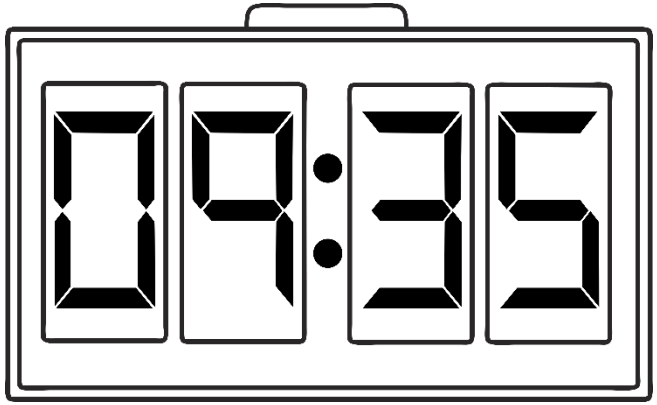




Read Time on a Digital Clock

Deeper

Drew and Hari are trying to read the time from this digital clock.

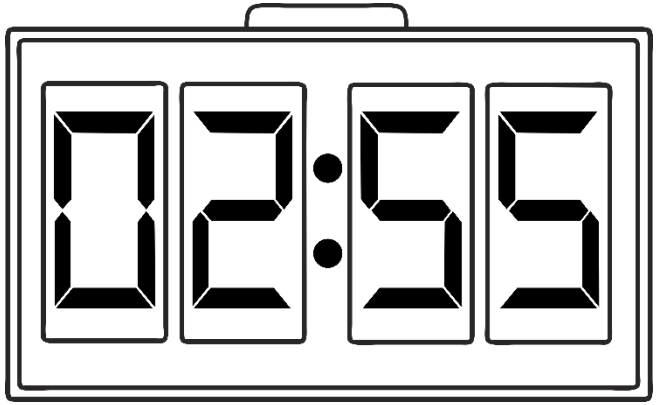


Who has said the time correctly?

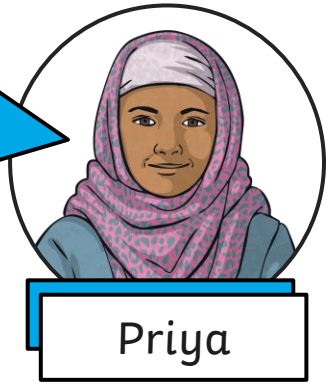
Drew is correct. After the half past mark in an hour, you no longer state how many minutes have passed since the last whole hour but instead you state how many minutes there are until the next whole hour. In this example, there are 25 minutes until the next whole hour (10) so the time is stated as 25 minutes to 10.

Read Time on a Digital Clock | **Deeper**

Priya looks at this digital clock.



To work out how many minutes there are until the next whole hour, subtract the minutes from 60.



Is Priya's statement always true, sometimes true or never true?
Explain how you know.

Priya's statement is always true. As there are 60 minutes in an hour, to find out how many minutes there are until the next whole hour, you need to subtract the number of minutes shown on the digital clock from 60.

Read Time on a Digital Clock **Deepest**

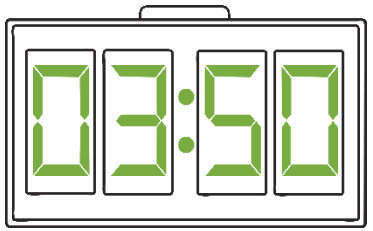
Hari spends some time downstairs.

When he goes downstairs, the digital clock on the stairs shows 3 hours. The minutes shown are ten times number of hours.

Downstairs, he practises playing the guitar for 12 minutes.

He then drinks a hot chocolate which takes him 6 minutes.

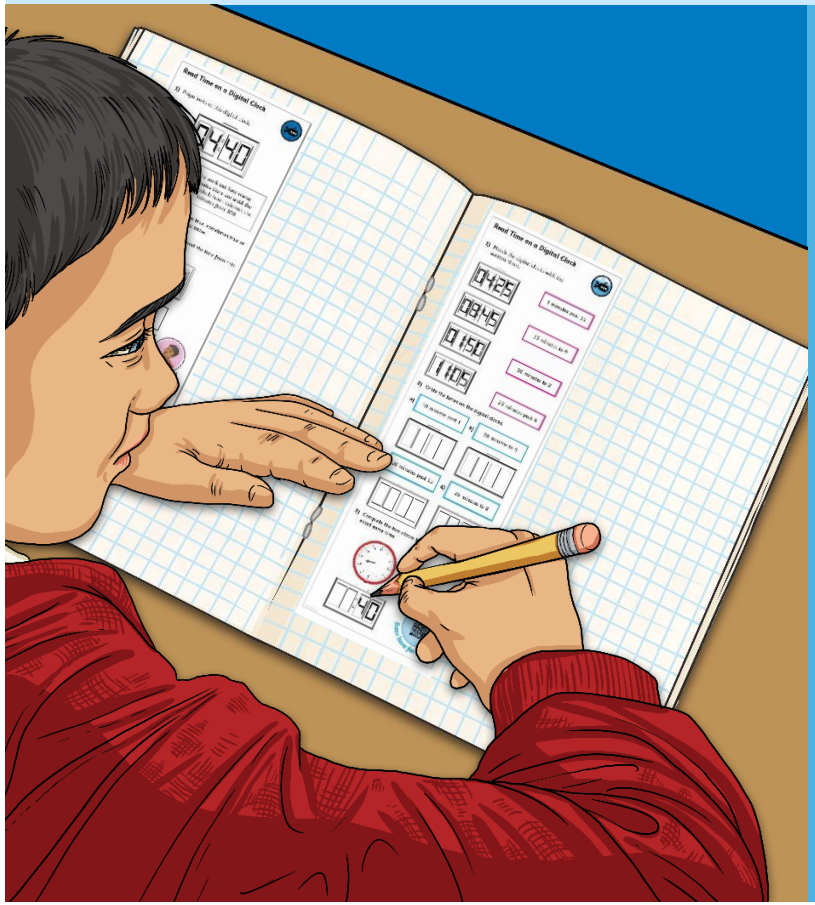
After that, he tidies up his things for 2 minutes and returns upstairs straight away.

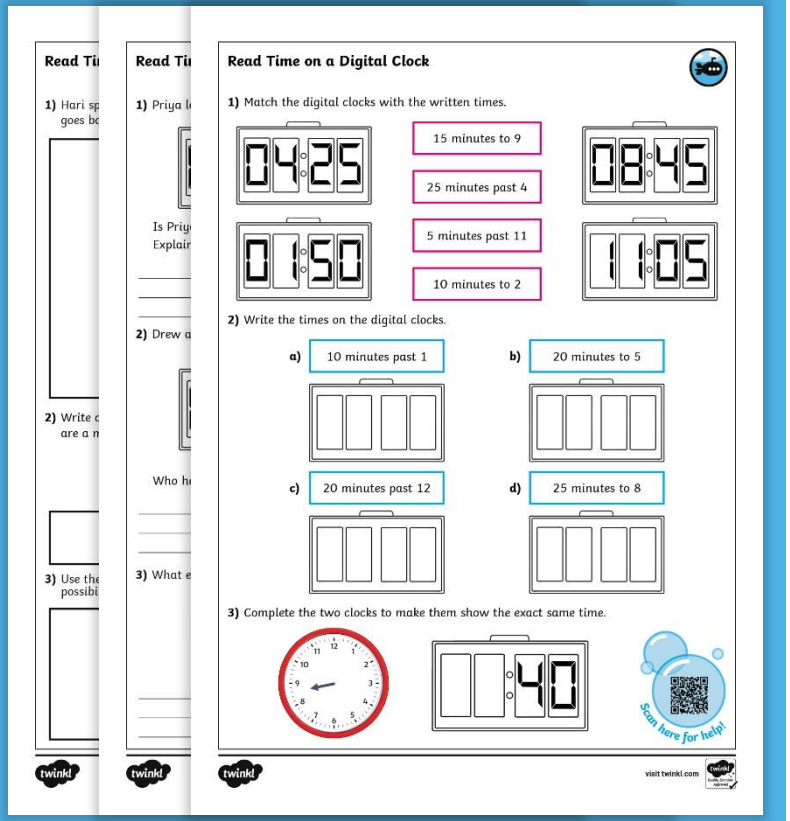


What time does the clock show when he goes back upstairs?

Read Time on a Digital Clock

Dive in by completing your own activity!





Read Time on a Digital Clock

1) Match the digital clocks with the written times.

04:25	15 minutes to 9
08:45	25 minutes past 4
01:50	5 minutes past 11
11:05	10 minutes to 2

2) Write the times on the digital clocks.

a) 10 minutes past 1

b) 20 minutes to 5

c) 20 minutes past 12

d) 25 minutes to 8

3) Complete the two clocks to make them show the exact same time.

40

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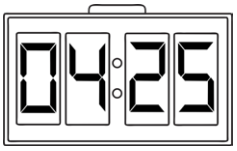
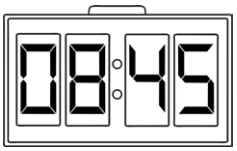
Read Time on a Digital Clock

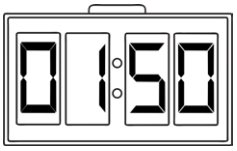
1) Match the digital clocks with the written times.



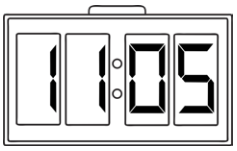
5 minutes past 11



15 minutes to 9



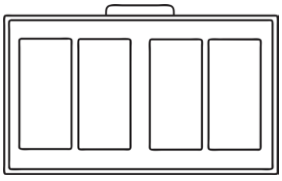
10 minutes to 2



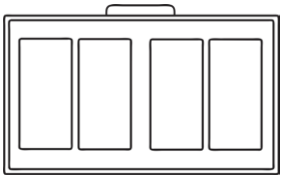
25 minutes past 4

2) Write the times on the digital clocks.

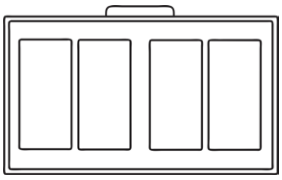
a) 10 minutes past 1



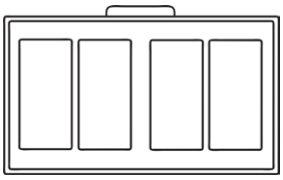
b) 20 minutes to 5



c) 20 minutes past 12



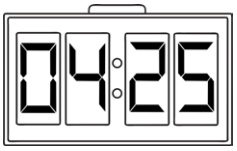
d) 25 minutes to 8



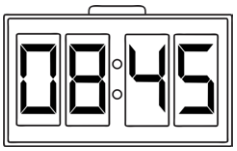
3) Complete the two clocks to make them show the exact same time.

Read Time on a Digital Clock

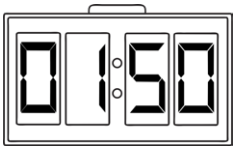
1) Match the digital clocks with the written times.



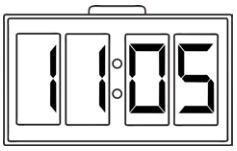
5 minutes past 11



15 minutes to 9



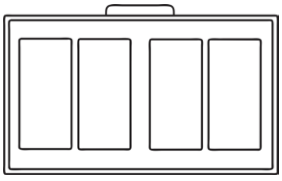
10 minutes to 2



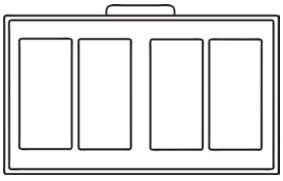
25 minutes past 4

2) Write the times on the digital clocks.

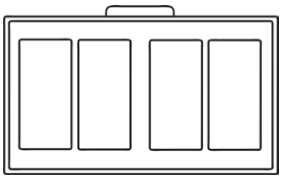
a) 10 minutes past 1



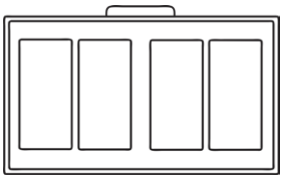
b) 20 minutes to 5



c) 20 minutes past 12



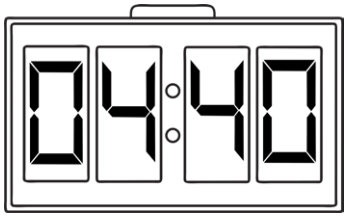
d) 25 minutes to 8

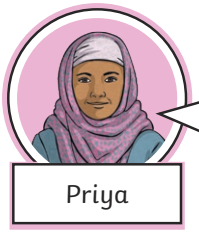


3) Complete the two clocks to make them show the exact same time.

Read Time on a Digital Clock

1) Priya looks at this digital clock.

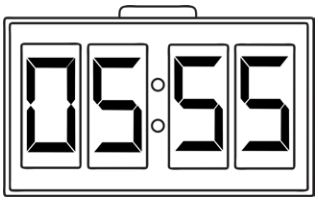




To work out how many minutes there are until the next whole hour, subtract the minutes from 100.

Is Priya's statement always true, sometimes true or never true? Explain how you know.

2) Drew and Hari are trying to read the time from this digital clock.



The time is 55 minutes past 5.

The time is 5 minutes to 6.

Who has said the time correctly? Explain how you know.

3) What error has Felix made when writing the time?

11.35

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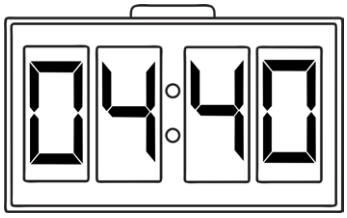

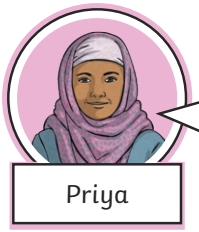

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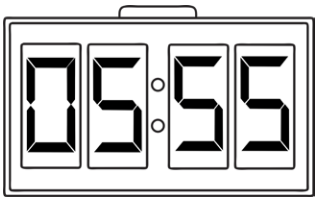

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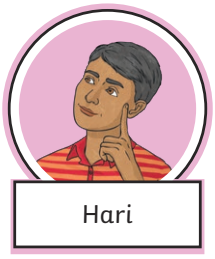
Read Time on a Digital Clock

1) Hari spends some time downstairs.

When he goes downstairs, the digital clock on the stairs shows 8 hours. The minutes shown are five times the number of hours.



Hari

Downstairs, he makes a snack for 4 minutes.

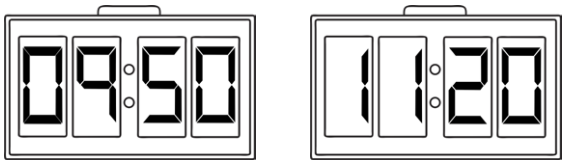
He takes 6 minutes to eat the snack.

Afterwards, he plays on a game for 10 minutes.

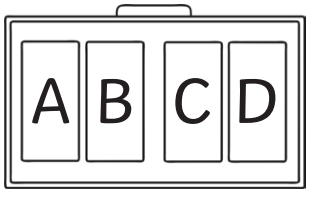
Finally, he washes up for 12 minutes and then heads straight upstairs.

What time does the clock show when he goes back upstairs?

2) Write all the times between the times on these two clocks where the minutes are a multiple of five.



3) Use the clues about the digits on the clock to work out what the time could be. Find all possibilities.



B = 10 ÷ 5

A = $\frac{1}{2}$ of B

D = A + B + B

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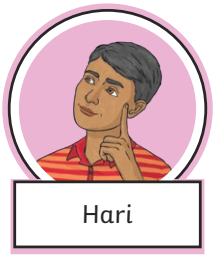

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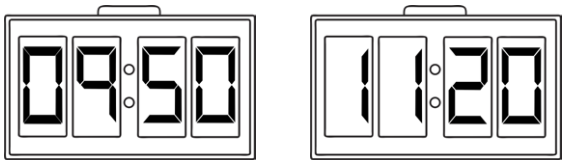

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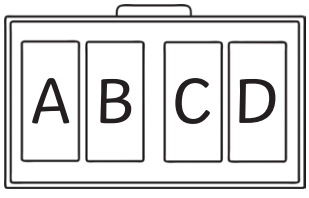

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