

**White**

**Rose  
Maths**

Year 3 - Summer – Block 2

**Time**

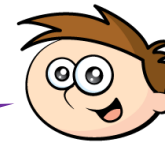
4 children describe their birthdays.



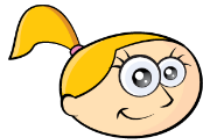
Mo

My birthday is the first day of the second month.

I was born on the 15<sup>th</sup> of June.



Teddy



Eva

I was born on the last day of the year!

I was born two days before Mo.



Dora

Can you work out their birthdays and order them from earliest to latest in the year?

Whitney asks Rosie and Jack a question.

Some months have 31 days, some months have 30 days. How many months have 28 days?



Rosie

Only February has 28 days.

Every month has 28 days.



Jack

Who do you agree with? Explain your thinking.



Mo

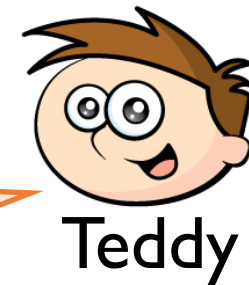
I get up at 7 o'clock in the morning and go to bed at 7 o'clock at night. This means I have been awake for a full day.

Do you agree with Mo?  
Explain your answer.

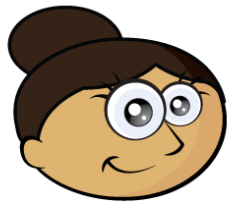
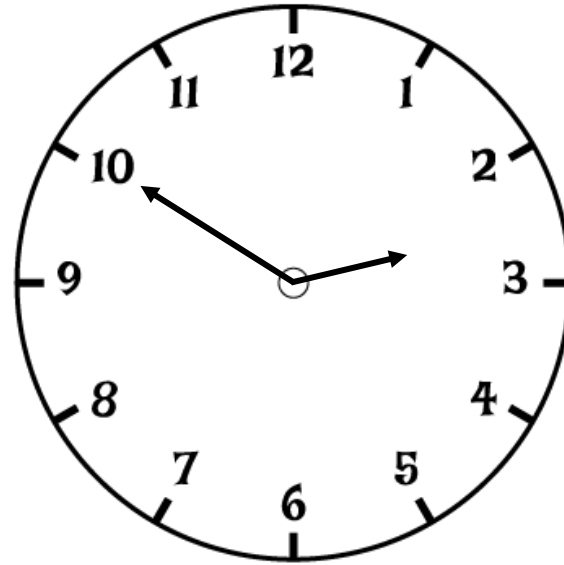
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

In this month, there are no school holidays.

In this month we have to come to school for 31 days.



Do you agree with Teddy?  
 Explain your thinking.  
 Which month could it be?



Dora

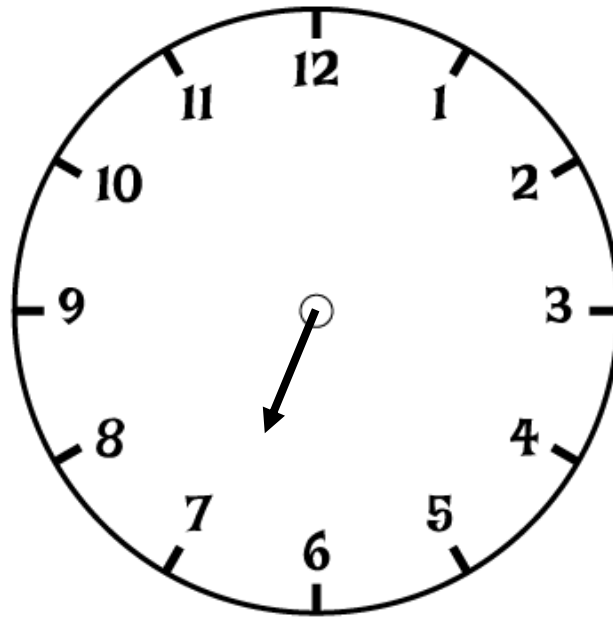
The clock shows ten minutes to 3

The hour hand is not quite pointing to the 3, so it must be ten to 2



Amir

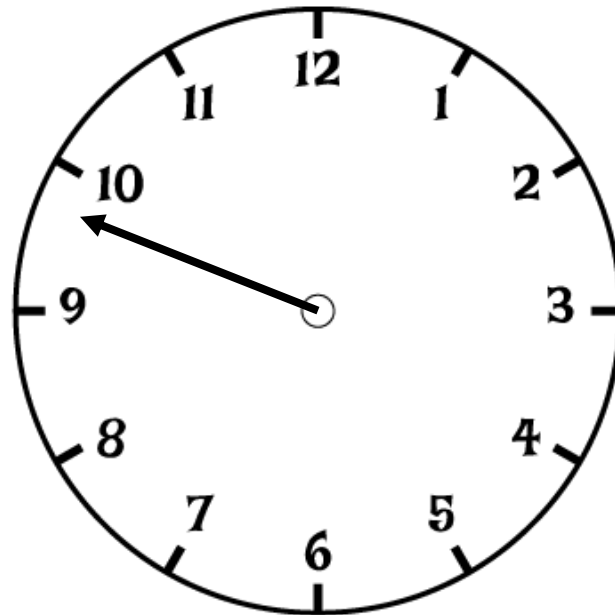
Who do you agree with?  
Explain your thinking.



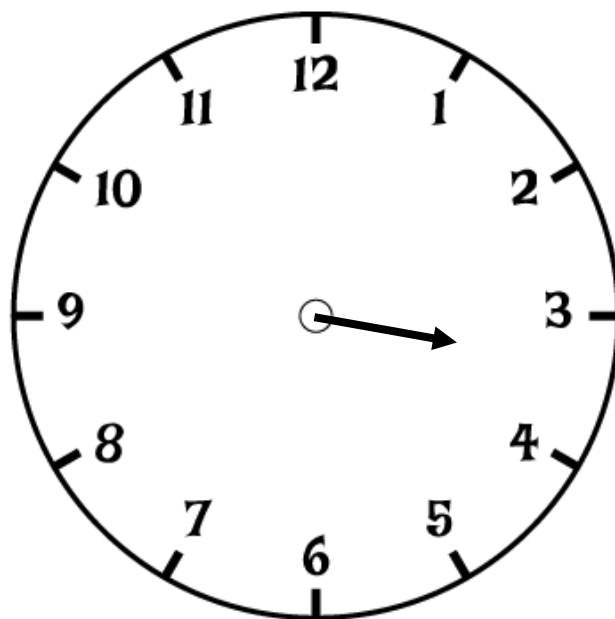
This clock has lost its minute hand.

What time could it be?  
Justify your answer.

This clock has lost its hour hand.  
What time could it be?



This clock has lost its minute hand.  
What time could it be?

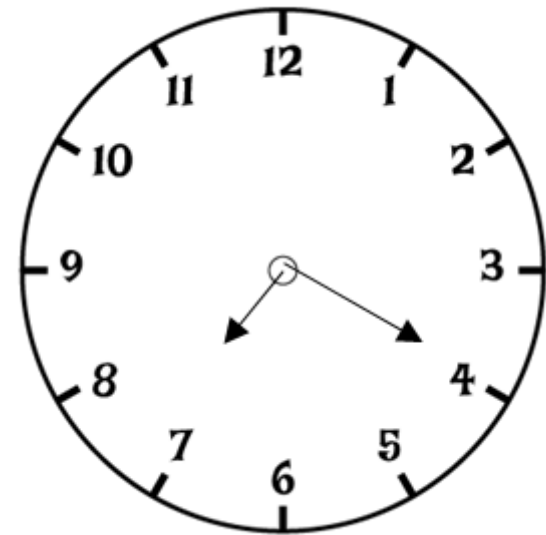


	Arrives	Leaves
London	5:50 a.m.	6:00 a.m.
Edinburgh	8:00 a.m.	8:20 a.m.
Manchester	2:33 p.m.	2:45 p.m.
Leeds	7:31 p.m.	7:35 p.m.

The board shows the times of trains arriving and leaving the train station.

Ron's watch shows the time he arrives at the station.

Which train could he be catching?  
Explain how you know.





Dora

I slept from 8 p.m. to 8 a.m.



Teddy

I slept from 8 a.m. to 8 p.m.

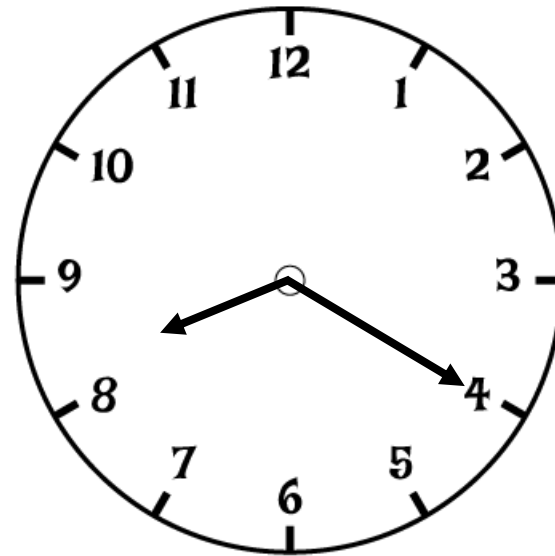
Who is more likely to be correct?  
Explain how you know.

Eva says the clocks are showing the same time of day.

Is she correct?

Explain how you know.

8:20



Is Teddy correct?  
Prove it.



Teddy

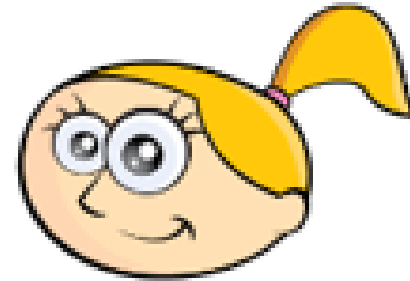
If the time has an 8 in it,  
it has to be 8 o'clock.

Eva starts playing her piano at 11:30

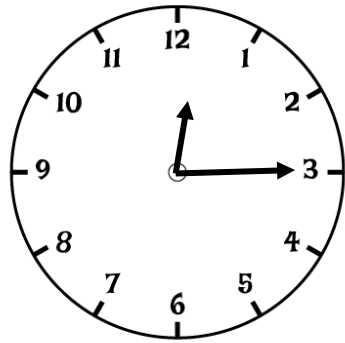
She plays for 45 minutes before having a half an hour break.

She then plays for another 15 minutes.

What time did she finish?



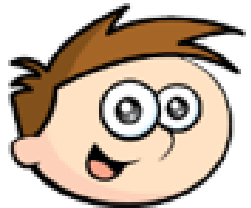
Lunchtime begins at:



Lunchtime ends at:



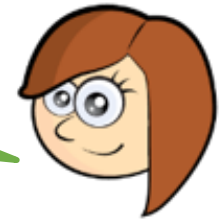
Teddy and Rosie are working out how long lunchtime lasts for.



Teddy

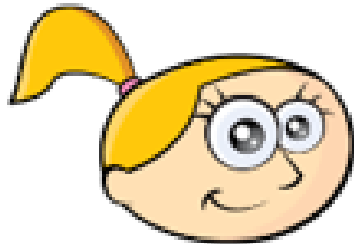
I did three quarters of an hour then added 10

I did 1 hour take away 5 minutes



Whose method is correct?

Eva and Mo are having a race.  
It takes Eva 3 and a half minutes to complete the race.  
It takes Mo 3 minutes and 15 seconds.

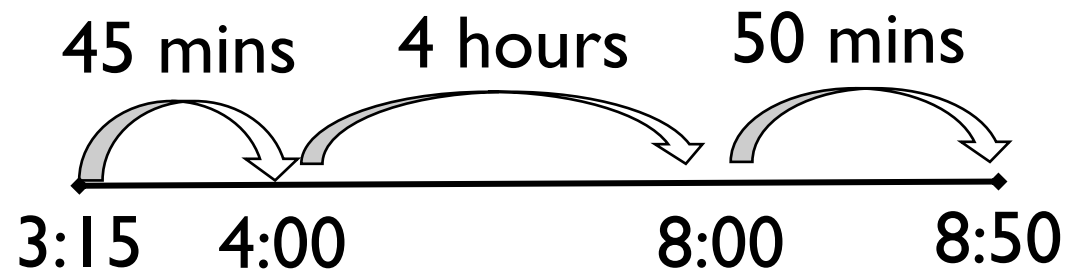


I won because I got  
a higher time.

Is Eva correct?  
Explain how you know.

Jack's school starts at ten to 9 and finishes at quarter past 3

He uses the number line to calculate how long the school day is.

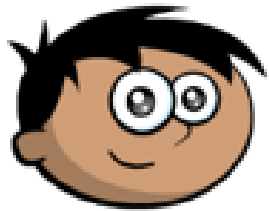


Jack works out the school day is 5 hours and 35 minutes long.  
Jack is incorrect.

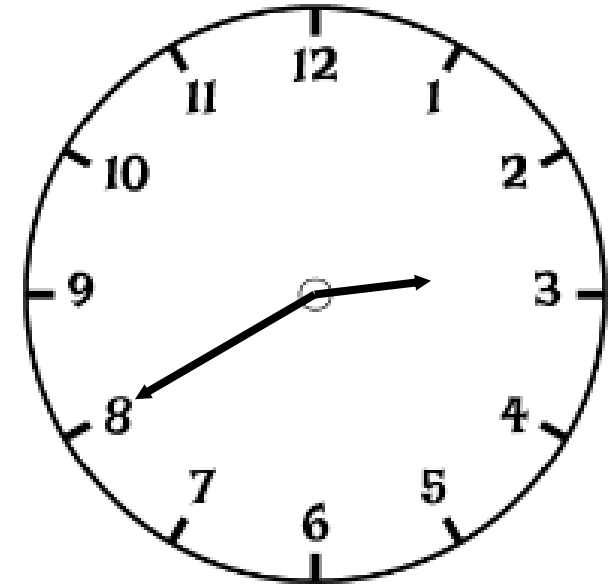
Explain his mistake.

School ends in 45 minutes. What time will it be?

Amir says,



It's 20 minutes to 3 o'clock, so school finishes at 3:25 p.m.



Whitney says,



School ends at 2:85

Who do you agree with?  
Explain why.

Tommy is halfway through watching his favourite TV programme. He looks at his watch and it shows this time.

15:45

The show is less than 1 hour long.

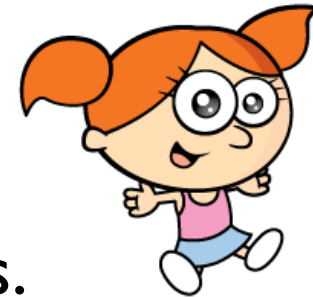
What could the start and end time be?

How many different start and end times can you find?

Alex takes 153 seconds to skip around the playground.



Jack takes 2 minutes 23 seconds.



Who is the quickest?  
Explain how you know.

# True or False?

- 3 minutes 5 seconds  $<$  190 seconds
- 4 minutes = 204 seconds
- 170 seconds  $>$  2 minutes 50 seconds

Dora works out how many seconds there are in 4 minutes 15 seconds.

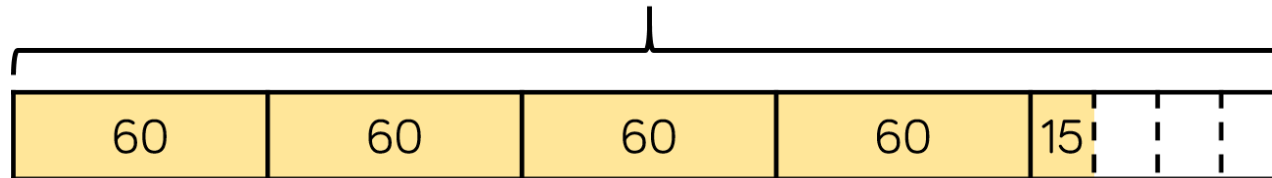
She says,

That's easy, it is 415 seconds.



Dexter uses a bar model to help him.

4 minutes 15 seconds



Each minute has 60 seconds. So it's 4 lots of 60 plus 15.



Who is correct?