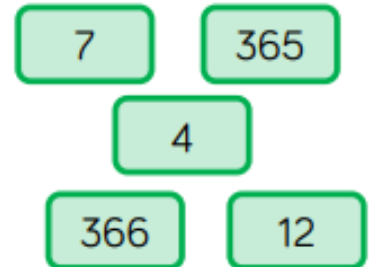


# Year 4 Maths Home Learning Time

## Day 1

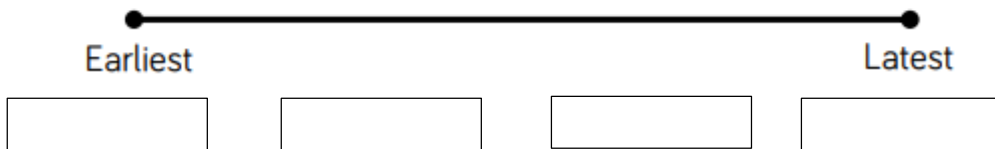
1. Use the numbers to fill in the gaps in the sentences.

There are  days in a year.  
There are  months in a year.  
There are  days in a leap year.  
There are  days in a week.  
Leap years happen every  years.



2. Put these dates in order from earliest to latest in a year.

3<sup>rd</sup> March 2<sup>nd</sup> March January 31<sup>st</sup> 1<sup>st</sup> December



3. Complete the statements.

1 day = 24 hours  days = 120 hours  
2 days =  hours  days = 60 hours  
 days = 240 hours 20 days =  hours

4.

| 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?

Answer here

# Year 4 Maths Home Learning Time

## Day 2

1.



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.

Answer here

2. Sort the times from latest to earliest.

5:30 p.m.

9:45 a.m.

9:45 p.m.

10:23 a.m.

7:31 a.m.

10:13 p.m.

8:30 a.m.

6:32 a.m.

12:24 a.m.

8:55 p.m.

2:11 a.m.

7:40 a.m.

Latest













Earliest

3. Match the times to the clocks showing the same time.

9 o'clock in the morning



19:15

Half past 3 in the afternoon



09:00

Quarter past 7 in the evening



15:30



## Year 4 Maths Home Learning Time

4.

Complete the times.

|                |  |   |                                     |
|----------------|--|---|-------------------------------------|
| <b>13 : 45</b> | Quarter to two in the <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>     | <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> : 45  | Quarter past three in the afternoon |
| <b>11 : 20</b> | Twenty past eleven in the <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span> | <b>17 :</b> <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span>   | Twenty-five to six in the evening   |
| <b>15 : 50</b> | Ten to four in the <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>        | <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> : <span style="border: 1px solid black; display: inline-block; width: 20px; height: 1.2em; vertical-align: middle;"></span> | Twenty to 9 in the morning          |

5. Convert the times between 12 or 24 hour clocks.

|  |  |   |
|--|--|---|
| 19:20 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>      | 10:10 p.m. <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span> | 13:05 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>     |
| 5: 55 p.m. <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span> | 15:10 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>      | 8:15 a.m. <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span> |
| 23:10 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>      | 01:15 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>      | 3:55 p.m. <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span> |
| 7:05 p.m. <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>  | 03:40 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>      | 17:45 <span style="border: 1px solid black; display: inline-block; width: 80px; height: 1.2em; vertical-align: middle;"></span>     |

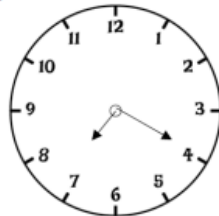
## Year 4 Maths Home Learning Time

### Day 3 – reasoning and problem solving

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

|            | 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. |

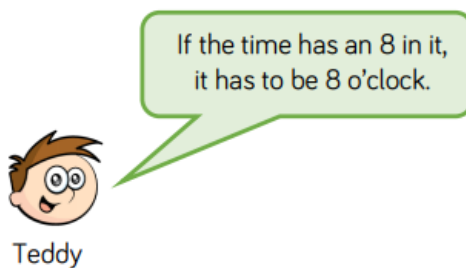
Ron's watch shows the time he arrives at the station.



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

Answer here.

2. Is Teddy correct?  
Prove it.

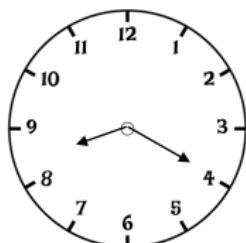


Answer here.

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

Is she correct?  
Explain how you know.

8:20



Answer here.

## Year 4 Maths Home Learning Time

4.



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.

Answer here.

5.

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?

Answer here.

6.

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.

Answer here.

# Year 4 Maths Home Learning Time

## Answers

### Day 1

- 365, 12, 366, 7, 4
- Jan 31<sup>st</sup>, March 2<sup>nd</sup>, March 3<sup>rd</sup>, December 1<sup>st</sup>.
- 2 days = 48 hrs  
10 days = 240 hrs  
5 days = 120 hrs  
2.5 days = 60 hrs  
20 days = 480 hrs

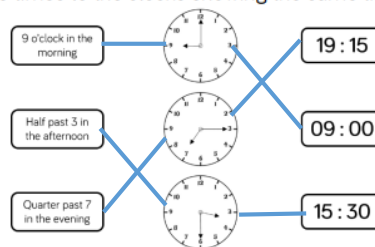
- Teddy is not correct, as the children only have to come to school for 23 days if there are no holidays. Children should discuss the fact they do not come to school on a Saturday or Sunday. It is most likely to be March if there are no holidays at all. It is a good opportunity to look at your school calendar with the children.

### Day 2

- Dora is more likely to be correct, because if she sleeps 8 p.m. to 8 a.m., she would be sleeping through the night, and wake up in the morning. Teddy is likely to be incorrect, because he would be sleeping all day and waking up at 8 p.m. (in the evening)

- 10.13pm, 9.45pm, 8.55pm, 5.30pm  
10.23am, 9.45am, 8.30am, 7.40am  
7.31am, 6.32am, 2.11am, 12.24am

- Match the times to the clocks showing the same time.



- 

Complete the times.

|         |                           |           |       |    |                                     |
|---------|---------------------------|-----------|-------|----|-------------------------------------|
| 13 : 45 | Quarter to two in the     | afternoon | 14    | 45 | Quarter past three in the afternoon |
| 11 : 20 | Twenty past eleven in the | morning   | 17    | 35 | Twenty-five to six in the evening   |
| 15 : 50 | Ten to four in the        | afternoon | 09:20 |    | Twenty to 9 in the morning          |

## Year 4 Maths Home Learning Time

5. 7.20pm 22:10 1.05pm  
17:55 3.10pm 08:15  
11.10pm 1.15am 16:55  
19.05 3.40am 5.45pm

### Day 3

1. Ron could be catching the train to Edinburgh or Leeds.  
Children should explain that analogue clocks give no indication to a.m. or p.m. and since it is 20 past 7, Ron could be catching the 8:20 a.m. train or the 7:35 p.m. train.
2. Teddy is not correct.  
Children should give examples to show this is incorrect. For example: 18:00, 8:30, 10:38 etc.
3. Eva could be correct. The clocks are both showing twenty past 8. However, children should recognise that the analogue clock does not show whether the time is a.m. or p.m., so this could be showing 8.20 a.m. or 8.20 p.m.
4. Children should state that they do not agree with Mo because there are 24 hours in a full day.  
Mo has only been up for 12 hours which is half a day.  
A full day would be 7am to 7am.
5. Dora - 30th Jan  
Mo - 1st Feb  
Teddy - 15th June  
Eva - 31st Dec
6. They are correct for different reasons. Rosie is correct because only February has exactly 28 days, but Jack is correct because every month has at least 28 days.