

# Worked Examples

Time

Year 3

## Instructions

A pupil has been given a set of questions to answer. They tried their best but think they have got some answers wrong.

Go through the work and check the answers. Help the pupil to understand their errors by explaining where they have gone wrong or how to find the correct answer (there are prompts below the questions to help you).

Note that you will not always be asked to provide the correct answer.

1

Lucy started playing tennis at 4:00 p.m. and she finished at 5:20 p.m.

How long did she play for?

1 hour 20 mins

This answer is: ☐ Correct ☐ Incorrect

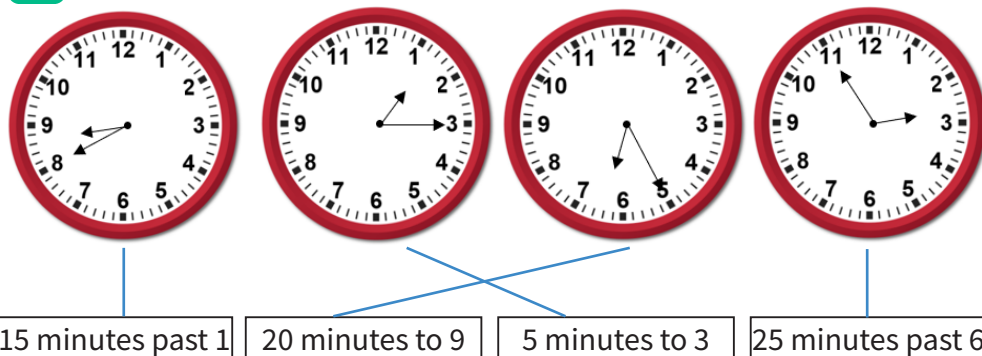
Explain how to find the duration of an event.

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2 Match the clock to the correct time.



The answers are: ☐ Correct ☐ Incorrect

If incorrect, draw lines to show the correct answers.

4 Complete the sentence.

There are  months in a year.  
There are  months in three years.  
There are 60 months in  years.

The answers are: ☐ Correct ☐ Incorrect

If incorrect, what should the answers be? Explain.

3 Complete the sentences using morning or afternoon (evening).

13:15 is quarter past 1 in the  
02:20 is twenty minutes past two in the  
20:45 is quarter to nine in the  
18:30 is half past six in the  
10:50 is ten minutes to eleven in the

|         |
|---------|
| morning |
| evening |
| morning |
| morning |
| evening |

The answers are: ☐ Correct ☐ Incorrect

If incorrect, explain the common error.

5 Draw hands on the analogue clock to show 20 minutes past 7.



This answer is: ☐ Correct ☐ Incorrect

If incorrect, explain the error.

# Answers

| Q no. | Question                                                                                                               | Correct/<br>Incorrect | Error/ Additional Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Lucy started playing tennis at 4:00 p.m. and she finished at 5:20 p.m. How long did she play for?<br>1 hour 20 minutes | Correct               | The pupil has correctly calculated the duration of Lucy's activity. Questions such as these can become difficult when the hour has changed but the duration is less than an hour. Year 3 pupils should be encouraged to use concrete resources to aid them when they begin to learn how to find durations of events.                                                                                                                                                                 |
| 2     | Match the clock to the correct time.<br>(see question)                                                                 | Incorrect             | The pupil does not know how to read an analogue clock. They have attempted to match times together, but there is no logic to their answers. The pupil could have become confused with the language of 'past' and 'to' or they could be confusing the hour and minute hands.<br><br>Correct answers – first clock shows 20 minutes to 9, the second clock shows 15 minutes past 1, the third clock shows 25 minutes past 6 and the last clock shows 5 minutes to 3.                   |
| 3     | Complete the sentences using morning or afternoon/ evening.<br>(see question)                                          | Incorrect             | The pupil does not understand 24-hour time. They have consistently confused a.m. times and p.m. times. 24-hour time is not as commonly used as 12-hour time, which can cause confusion. Another common error pupils may make is not understanding that there are multiple words for p.m. times. In this example the question uses only 'morning' for a.m. times but 'afternoon' or 'evening' for p.m. times.<br><br>Correct answers – afternoon, morning, evening, evening, morning. |
| 4     | Complete the sentence.<br>12, 12, 1                                                                                    | Incorrect             | The pupil has identified that there are 12 months in a year but they cannot use this information to answer the other questions. This could indicate that the pupil does not understand that years can be grouped and described in months. Pupils generally do not regularly convert years to months and may not understand how to do so, despite knowing how many months are in a year.<br><br>Correct answers – 12, 36, 5                                                           |
| 5     | Draw hands on the analogue clock to show 20 minutes past 7.<br>(see question)                                          | Incorrect             | The pupil has correctly placed the minute hand and has almost correctly placed the hour hand. They have placed the hour hand directly on the 7. This shows that the pupil does not understand that the hour and minute hands move together on an analogue clock.<br><br>Correct answer – hour hand should be a third of the way between the seven and eight.                                                                                                                         |