

Worked Examples

Time

Year 4

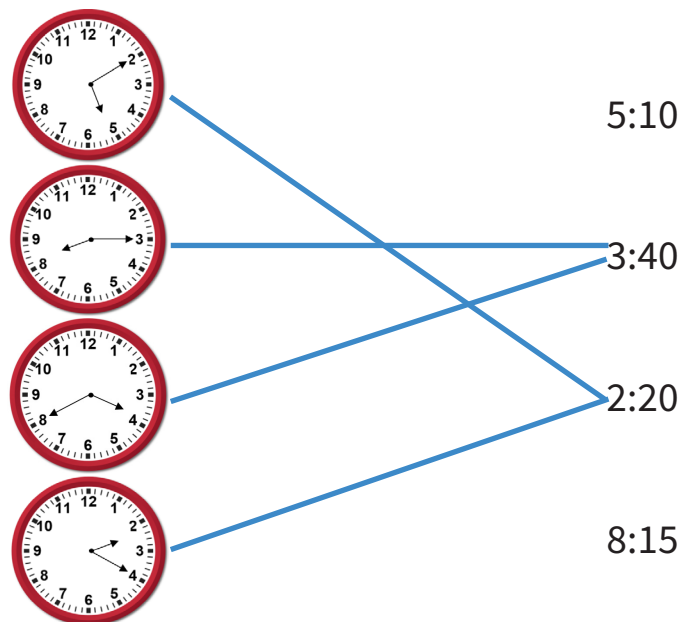
Instructions

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 Match the analogue time to the digital time.



The answers are: ☐ Correct ☐ Incorrect

If incorrect, explain the error.

2 Complete the table.

days	weeks
7	1
42	6
21	3
35	5

This answer is: ☐ Correct ☐ Incorrect
Explain how a 'school week' is different to a 'full week'.

3 Tick the correct statements.

- a) There are 10 months in a year. ☒
- b) There are 24 months in 2 years. ☐
- c) A fortnight is 2 weeks. ☐
- d) February has 30 days. ☒

The answers are: ☐ Correct ☐ Incorrect
If incorrect, which answers are correct? How do you know?

4 Who spent the longest on their homework?
Samuel spent half an hour, Liam spent 42 minutes
and Hannah spent 1,200 seconds.

Hannah

This answer is: ☐ Correct ☐ Incorrect
Explain how to solve this question.

5 Write the analogue time in 24-hour digital time.



10:1

This answer is: ☐ Correct ☐ Incorrect
If incorrect, what should the answer be? Explain.

Answers

Q no.	Question	Correct/ Incorrect	Error/ Additional Guidance
1	Match the analogue time to the digital time. (see question)	Incorrect	The pupil has matched two clocks correctly. Where they have matched times incorrectly, they have swapped the hour and minute hands. The pupil has not identified that each clock shows a different time and two can so two clocks cannot match one time. Correct answers – top clock shows 5:10, second clock shows 8:15, third clock shows 3:40 and the bottom clock shows 2:20.
2	Complete the table. 1, 42, 21, 5	Correct	The pupil has correctly converted between days and week. If the pupil had incorrectly answered the question, a common error would be believing a week is 5 days. This is a confusion between a 'working week' or 'school week' and a full week.
3	Tick the correct statements. a and d	Incorrect	The pupil believes there are 10 months in a year. This error could have originated from metric units of measure as they convert using powers of ten. They also do not know that February has 28 or 29 days, never 30. Correct answers – b and c.
4	Who spent the longest on their homework? Samuel spent half an hour, Liam spent 42 minutes and Hannah spent 1,200 seconds. Hannah	Incorrect	The pupil has picked Hannah as 1,200 seconds is the largest number. They have not converted 1,200 seconds to minutes so that they can compare the times easily. 1,200 seconds is the same as 20 minutes. Correct answer – Liam
5	Write the analogue time in 24-hour digital time. 10:1	Incorrect	The pupil has made two errors in this question. The first error is that they have not read the analogue clock accurately. They have read the hours accurately but have not read the minutes hand correctly. Instead of identifying that the minute hand is pointing at five minutes, they have taken the hours identified on the clock. This shows that the pupil has some understanding of hours but needs to continue to work on reading minutes on an analogue clock. The second error is that they have not converted the time to 24-hour p.m. time. Correct answer – 22:05